



Cura 374 CON seq list.txt
SEQUENCE LISTING

<110> Taupier, Raymond
Padigaru, Muralidhara
Rastelli, Luca
Spaderna, Steven
Shimkets, Richard
Zerhusen, Bryan
Spytek, Kimberly
Shenoy, Suresh
Li, Li
Gusev, Vladimir
Grosse, William
Alsobrook, John
Lepley, Denise
Burgess, Catherine
Gerlach, Valerie
Ellerman, Karen
MacDougall, John
Stone, David
Smithson, Glennda

<120> Novel Proteins and Nucleic Acids Encoding Same

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<151> 2001-07-03

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<151> 2000-07-28

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<150> 60/223,769
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<151> 2000-08-15

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<151> 2000-08-16

<150> 60/263,662
<151> 2001-02-01

<150> 60/281,645
<151> 2001-04-05

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Cura 374 CON seq list.txt
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35 40 45

Glu Pro Glu Asp Val Tyr Ile Val Lys Asn Lys Pro Val Leu Leu Val
50 55 60

Cys Lys Ala Val Pro Ala Thr Gln Ile Phe Phe Lys Cys Asn Gly Glu
65 70 75 80

Trp Val Arg Gln Val Asp His Val Ile Glu Arg Ser Thr Asp Gly Ser
85 90 95

Ser Gly Leu Pro Thr Met Glu Val Arg Ile Asn Val Ser Arg Gln Gln
100 105 110

Val Glu Lys Val Phe Gly Leu Glu Glu Tyr Trp Cys Gln Cys Val Ala
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Trp Ser Ser Ser Gly Thr Thr Lys Ser Gln Lys Ala Tyr Ile Arg Ile

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Ser Leu Glu Gln Gly Ile Val Leu Pro Cys Arg Pro Pro Glu Gly Ile
 165 170 175

Pro Pro Ala Glu Val Glu Trp Leu Arg Asn Glu Asp Leu Val Asp Pro
 180 185 190

Ser Leu Asp Pro Asn Val Tyr Ile Thr Arg Glu His Ser Leu Val Val
 195 200 205

Arg Gln Ala Arg Leu Ala Asp Thr Ala Asn Tyr Thr Cys Val Ala Lys
 210 215 220

Asn Ile Val Ala Arg Arg Ser Ala Ser Ala Val Ile Val Tyr
 225 230 235 240

Val Asn Gly Gly Trp Ser Thr Trp Thr Glu Trp Ser Val Cys Ser Ala
 245 250 255

Ser Cys Gly Arg Gly Trp Gln Lys Arg Ser Arg Ser Cys Thr Asn Pro
 260 265 270

Ala Pro Leu Asn Gly Gly Ala Phe Cys Glu Gly Gln Asn Val Gln Lys
 275 280 285

Thr Ala Cys Ala Thr Leu Cys Pro Val Asp Gly Ser Trp Ser Pro Trp
 290 295 300

Ser Lys Trp Ser Ala Cys Gly Leu Asp Cys Thr His Trp Arg Ser Arg
 305 310 315 320

Glu Cys Ser Asp Pro Ala Pro Arg Asn Gly Gly Glu Glu Cys Gln Gly
 325 330 335

Thr Asp Leu Asp Thr Arg Asn Cys Thr Ser Asp Leu Cys Val His Ser
 340 345 350

Ala Ser Gly Pro Glu Asp Val Ala Leu Tyr Val Gly Leu Ile Ala Val
 355 360 365

Ala Val Cys Leu Val Leu Leu Leu Val Leu Ile Leu Val Tyr Cys
 370 375 380

Arg Lys Lys Glu Gly Leu Asp Ser Asp Val Ala Asp Ser Ser Ile Leu
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Thr Ser Gly Phe Gln Pro Val Ser Ile Lys Pro Ser Lys Ala Asp Asn

Cura 374 CON seq list.txt

405

410

415

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 485 490 495

Asn Met Thr Tyr Gly Thr Phe Asn Phe Leu Gly Gly Arg Leu Met Ile
 500 505 510

Pro Asn Thr Gly Ile Ser Leu Leu Ile Pro Pro Asp Ala Ile Pro Arg
 515 520 525

Gly Lys Ile Tyr Glu Ile Tyr Leu Thr Leu His Lys Pro Glu Asp Val
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 545 550 555 560

Cys Gly Pro Pro Gly Val Leu Leu Thr Arg Pro Val Ile Leu Ala Met
 565 570 575

Asp His Cys Gly Glu Pro Ser Pro Asp Ser Trp Ser Leu Arg Leu Lys
 580 585 590

Lys Gln Ser Cys Glu Gly Ser Trp Glu Asp Val Leu His Leu Gly Glu
 595 600 605

Glu Ala Pro Ser His Leu Tyr Tyr Cys Gln Leu Glu Ala Ser Ala Cys
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Tyr Val Phe Thr Glu Gln Leu Gly Arg Phe Ala Leu Val Gly Glu Ala
 625 630 635 640

Leu Ser Val Ala Ala Lys Arg Leu Lys Leu Leu Leu Phe Ala Pro
 645 650 655

Val Ala Cys Thr Ser Leu Glu Tyr Asn Ile Arg Val Tyr Cys Leu His
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Cura 374 CON seq list.txt

675

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685

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Trp Asn Gly Thr Gln Arg Tyr Leu His Cys Thr Phe Thr Leu Glu Arg
 740 745 750

Val Ser Pro Ser Thr Ser Asp Leu Ala Cys Lys Leu Trp Val Trp Gln
 755 760 765

Val Glu Gly Asp Gly Gln Ser Phe Ser Ile Asn Phe Asn Ile Thr Lys
 770 775 780

Asp Thr Arg Phe Ala Glu Leu Leu Ala Leu Glu Ser Glu Ala Gly Val
 785 790 795 800

Pro Ala Leu Val Gly Pro Ser Ala Phe Lys Ile Pro Phe Leu Ile Arg
 805 810 815

Gln Lys Ile Ile Ser Ser Leu Asp Pro Pro Cys Arg Arg Gly Ala Asp
 820 825 830

Trp Arg Thr Leu Ala Gln Lys Leu His Leu Asp Ser His Leu Ser Phe
 835 840 845

Phe Ala Ser Lys Pro Ser Pro Thr Ala Met Ile Leu Asn Leu Trp Glu
 850 855 860

Ala Arg His Phe Pro Asn Gly Asn Leu Ser Gln Leu Ala Ala Ala Val
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<210> 3
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 <212> DNA
 <213> Homo sapiens

<400> 3

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ccatatttag actaaaaaat tatttccaag ggattcacaa ctacttacac caccaaaatt 480
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Trp Glu Ile Leu Glu His Leu Lys Asn Leu Gly Glu Lys Phe Pro Leu
35 40 45

Gln Cys Leu Lys Asp Arg Ser Asn Phe Arg Phe Phe Gln Val Ser Lys
50 55 60

Ser Asn Leu Phe Ser Lys Glu Asn Ala Leu Ile Ala Lys Lys Glu Met
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Leu Gln Gln Ile Phe Asn Thr Phe Ser Leu Asn Val Ser Gln Ser Phe
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Trp Asn Glu Ser Ser Leu Glu Arg Phe Leu Ser Arg Leu Tyr Gln Gln
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Cura 374 CON seq list.txt
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Cura 374 CON seq list.txt

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<212> PRT
<213> Homo sapiens

Cura 374 CON seq list.txt

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 35 40 45
 Trp Leu Ala Pro Arg Val Arg Ala Pro Gly Leu Leu Asp Ser Leu Tyr
 50 55 60
 Gly Thr Val Arg Arg Phe Leu Ser Val Val Gln Leu Asn Pro Phe Pro
 65 70 75 80
 Ser Glu Leu Val Lys Ala Leu Leu Asn Glu Leu Ala Ser Val Lys Val
 85 90 95
 Asn Glu Val Val Arg Tyr Glu Ala Gly Tyr Val Val Cys Ala Val Ile
 100 105 110
 Ala Gly Leu Tyr Leu Leu Leu Val Pro Thr Ala Gly Leu Cys Phe Cys
 115 120 125
 Cys Cys Arg Cys His Arg Arg Cys Gly Gly Arg Val Lys Thr Glu His
 130 135 140
 Lys Ala Leu Ala Cys Glu Arg Ala Ala Leu Met Val Phe Leu Leu Leu
 145 150 155 160
 Thr Thr Leu Leu Leu Ile Gly Val Val Cys Ala Phe Val Thr Asn
 165 170 175
 Gln Arg Thr His Glu Gln Met Gly Pro Ser Ile Glu Ala Met Pro Glu
 180 185 190
 Thr Leu Leu Ser Leu Trp Gly Leu Val Ser Asp Val Pro Gln Glu Leu
 195 200 205
 Gln Ala Val Ala Gln Gln Phe Ser Leu Pro Gln Glu Gln Val Ser Glu
 210 215 220
 Glu Leu Asp Gly Val Gly Val Ser Ile Gly Ser Ala Ile His Thr Gln
 225 230 235 240
 Leu Arg Ser Ser Val Tyr Pro Leu Leu Ala Ala Val Gly Ser Leu Gly
 245 250 255
 Gln Val Leu Gln Val Ser Val His His Leu Gln Thr Leu Asn Ala Thr
 260 265 270

Cura 374 CON seq list.txt

Val Val Glu Leu Gln Ala Gly Gln Gln Asp Leu Glu Pro Ala Ile Arg
275 280 285

Glu His Arg Asp Arg Leu Leu Glu Leu Leu Gln Glu Ala Arg Cys Gln
290 295 300

Gly Asp Cys Ala Gly Ala Leu Ser Trp Ala Arg Thr Leu Glu Leu Gly
305 310 315 320

Ala Asp Phe Ser Gln Val Pro Ser Val Asp His Val Leu His Gln Leu
325 330 335

Lys Gly Val Pro Glu Ala Asn Phe Ser Ser Met Val Gln Glu Glu Asn
340 345 350

Ser Thr Phe Asn Ala Leu Pro Ala Leu Ala Ala Met Gln Thr Ser Ser
355 360 365

Val Val Gln Glu Leu Lys Lys Ala Val Ala Gln Gln Pro Glu Gly Val
370 375 380

Arg Thr Leu Ala Glu Gly Phe Pro Gly Leu Glu Ala Ala Ser Arg Trp
385 390 395 400

Ala Gln Ala Leu Gln Glu Val Glu Glu Ser Ser Arg Pro Tyr Leu Gln
405 410 415

Glu Val Gln Arg Tyr Glu Thr Tyr Arg Trp Ile Val Gly Cys Val Leu
420 425 430

Cys Ser Val Val Leu Phe Val Val Leu Cys Asn Leu Leu Gly Leu Asn
435 440 445

Leu Gly Ile Trp Gly Leu Ser Ala Arg Asp Asp Pro Ser His Pro Glu
450 455 460

Ala Lys Gly Glu Ala Gly Ala Arg Phe Leu Met Ala Gly Val Gly Leu
465 470 475 480

Ser Phe Leu Phe Ala Ala Pro Leu Ile Leu Leu Val Phe Ala Thr Phe
485 490 495

Leu Val Gly Gly Asn Val Gln Thr Leu Val Cys Gln Ser Trp Glu Asn
500 505 510

Gly Glu Leu Phe Glu Phe Ala Asp Thr Pro Gly Asn Leu Pro Pro Ser
515 520 525

Met Asn Leu Ser Gln Leu Leu Gly Leu Arg Lys Asn Ile Ser Ile His
530 535 540

Cura 374 CON seq list.txt

Gln Ala Tyr Gln Gln Cys Lys Glu Gly Ala Ala Leu Trp Thr Val Leu
545 550 555 560

Gln Leu Asn Asp Ser Tyr Asp Leu Glu Glu His Leu Asp Ile Asn Gln
565 570 575

Tyr Thr Asn Lys Leu Arg Gln Glu Leu Gln Ser Leu Lys Val Asp Thr
580 585 590

Gln Ser Leu Asp Leu Leu Ser Ser Ala Ala Arg Arg Asp Leu Glu Ala
595 600 605

Leu Gln Ser Ser Gly Leu Gln Arg Ile His Tyr Pro Asp Phe Leu Val
610 615 620

Gln Ile Gln Arg Pro Val Val Lys Thr Ser Met Glu Gln Leu Ala Gln
625 630 635 640

Glu Leu Gln Gly Leu Ala Gln Ala Gln Asp Asn Ser Val Leu Gly Gln
645 650 655

Arg Leu Gln Glu Glu Ala Gln Gly Leu Arg Asn Leu His Gln Glu Lys
660 665 670

Val Val Pro Gln Gln Ser Leu Val Ala Lys Leu Asn Leu Ser Val Arg
675 680 685

Ala Leu Glu Ser Ser Ala Pro Asn Leu Gln Val Ala Ala Val Gly Gly
690 695 700

Asp Leu Glu Thr Ser Asp Val Leu Ala Asn Val Thr Tyr Leu Lys Gly
705 710 715 720

Glu Leu Pro Ala Trp Ala Ala Arg Ile Leu Arg Asn Val Ser Glu Cys
725 730 735

Phe Leu Ala Arg Glu Met Gly Tyr Phe Ser Gln Tyr Val Ala Trp Val
740 745 750

Arg Glu Glu Val Thr Gln Arg Ile Ala Thr Cys Gln Pro Leu Ser Gly
755 760 765

Ala Leu Asp Asn Ser Arg Val Ile Leu Cys Asp Met Met Ala Asp Pro
770 775 780

Trp Asn Ala Phe Trp Phe Cys Leu Ala Trp Cys Thr Phe Phe Leu Ile
785 790 795 800

Pro Ser Ile Ile Phe Ala Val Lys Thr Ser Lys Tyr Phe Arg Pro Ile
805 810 815

Cura 374 CON seq list.txt

Arg Lys Arg Leu Ser Ser Thr Ser Ser Glu Glu Thr Gln Leu Phe His
820 825 830

Ile Pro Arg Val Thr Ser Leu Lys Leu
835 840

<210> 7
<211> 3261
<212> DNA
<213> Homo sapiens

<400> 7
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ttcaccc~~cc~~ag cagccagg~~gg~~gc ccgg~~t~~ggctg gccc~~c~~tc~~g~~ag ttcgtgc~~g~~cc aggactcctg 180
gactcc~~cc~~ct atggcaccgt g~~g~~cc~~cc~~gcttc ctctcggtgg tg~~c~~ag~~c~~tcaa tc~~c~~tttcc~~c~~t 240
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cggtac~~g~~agg~~g~~ cg~~g~~gctac~~g~~t ggtat~~g~~cg~~g~~t gtgat~~g~~cg~~g~~g~~g~~ gc~~c~~c~~t~~ta~~c~~ct gctgctgg~~t~~g 360
cccactg~~cc~~g ggctt~~g~~ctt ctgctg~~t~~gc cg~~c~~tgc~~c~~acc~~g~~ ggc~~g~~ctg~~g~~gg~~g~~ gggac~~g~~ag~~t~~g 420
aagac~~a~~gag~~g~~ ac~~a~~agg~~g~~g~~c~~t g~~g~~c~~c~~t~~g~~tg~~g~~ ag~~c~~gc~~g~~ggcccc tc~~a~~tgg~~t~~ctt cctgctg~~c~~tg 480
accacc~~cc~~t~~c~~t tgctg~~c~~t~~g~~at tg~~g~~tg~~t~~gg~~t~~c t~~g~~tg~~c~~c~~t~~tt~~g~~ tc~~a~~cca~~a~~cca g~~g~~gc~~a~~c~~g~~cat 540
gaac~~a~~gat~~g~~g g~~cc~~cc~~a~~g~~c~~at cgagg~~g~~ccat~~g~~ c~~c~~t~~g~~ag~~a~~ccc tgctc~~a~~g~~c~~c~~t~~ ctggggc~~c~~ctg 600
gtctctg~~t~~at~~g~~ tccccca~~a~~ga~~g~~ gctg~~c~~agg~~g~~cc gtggcac~~a~~gc aattctcc~~c~~t g~~cc~~ccagg~~g~~ag 660
caagtct~~c~~ag agg~~a~~ct~~g~~ga~~t~~ tg~~g~~tg~~t~~tg~~g~~gt gt~~g~~agcatt~~g~~ gg~~g~~agc~~g~~gc~~g~~at ccacact~~c~~ag 720
ctcaggag~~c~~t c~~c~~gt~~t~~ac~~cc~~ c~~t~~t~~g~~ctgg~~g~~cg g~~cc~~gtgg~~g~~ca g~~t~~tt~~g~~gg~~g~~cc~~a~~ g~~g~~tc~~c~~tc~~g~~ca~~g~~ 780
gtctcc~~g~~t~~g~~ accac~~c~~ct~~g~~ca aac~~c~~tt~~g~~aat gctac~~a~~gtgg tagag~~c~~t~~g~~ca gg~~cc~~gg~~g~~gc~~g~~ag 840
caggac~~c~~t~~g~~g agccag~~g~~ccat cc~~g~~gg~~g~~aa~~c~~ac~~c~~ c~~g~~gg~~g~~acc~~g~~cc tc~~c~~tt~~g~~ag~~g~~t gctgc~~a~~gg~~g~~ag 900
gccag~~g~~gt~~g~~cc agggagatt~~g~~ tg~~c~~ag~~g~~gg~~g~~cc ctgag~~c~~t~~g~~gg cccgc~~a~~cc~~c~~t gg~~g~~ag~~c~~t~~g~~gg~~g~~t 960
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gagg~~c~~ca~~a~~ct tctcc~~c~~ag~~g~~cat ggtcc~~c~~agg~~g~~ag gagaac~~a~~g~~c~~ca c~~c~~tt~~c~~aa~~c~~gc~~c~~ c~~c~~tt~~c~~c~~a~~g~~g~~cc 1080
ctgg~~c~~t~~g~~cc~~a~~ tg~~c~~ag~~a~~cat~~c~~ c~~a~~g~~c~~t~~g~~gg~~g~~t caag~~a~~g~~c~~t~~g~~aa agaagg~~c~~agt gg~~cc~~c~~a~~g~~c~~ag 1140

Cura 374 CON seq list.txt

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gccacctgcc agccctctc cggagccctg gacaacagcc gtgtgatcct gtgtgacatg 2340
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cccagcatca tctttgcgt caagacctcc aaataacttcc gtcctatccg gaaacgcctc 2460
agggcttccg aggagaaacc ctcagggctc tgggtttgtc cctgtgtcag ggctgagggt 2520
ctgggggaa ggtccctct tcaccatatac tccactgcta cttgctggc cccagagacc 2580
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Cura 374 CON seq list.txt

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ttccaccagg ccacccttct gaggcagctg cgagtccagc tggacttgag tggcagagag 2820
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ggtgacggg gagaaaggtg a 3261

<210> 8

<211> 841

<212> PRT

<213> Homo sapiens

<400> 8

Met Lys His Thr Leu Ala Leu Leu Ala Pro Leu Leu Gly Leu Gly Leu
1 5 10 15

Gly Leu Ala Leu Ser Gln Leu Ala Ala Gly Ala Thr Asp Cys Lys Phe
20 25 30

Leu Gly Pro Ala Glu His Leu Thr Phe Thr Pro Ala Ala Arg Ala Arg
35 40 45

Trp Leu Ala Pro Arg Val Arg Ala Pro Gly Leu Leu Asp Ser Leu Tyr
50 55 60

Gly Thr Val Arg Arg Phe Leu Ser Val Val Gln Leu Asn Pro Phe Pro
65 70 75 80

Ser Glu Leu Val Lys Ala Leu Leu Asn Glu Leu Ala Ser Val Lys Val
85 90 95

Asn Glu Val Val Arg Tyr Glu Ala Gly Tyr Val Val Cys Ala Val Ile
100 105 110

Cura 374 CON seq list.txt

Ala	Gly	Leu	Tyr	Leu	Leu	Leu	Val	Pro	Thr	Ala	Gly	Leu	Cys	Phe	Cys
115							120					125			
Cys	Cys	Arg	Cys	His	Arg	Arg	Cys	Gly	Gly	Arg	Val	Lys	Thr	Glu	His
130							135					140			
Lys	Ala	Leu	Ala	Cys	Glu	Arg	Ala	Ala	Leu	Met	Val	Phe	Leu	Leu	Leu
145							150					155			160
Thr	Thr	Leu	Leu	Leu	Ile	Gly	Val	Val	Cys	Ala	Phe	Val	Thr	Asn	
							165					170			175
Gln	Arg	Thr	His	Glu	Gln	Met	Gly	Pro	Ser	Ile	Glu	Ala	Met	Pro	Glu
							180					185			190
Thr	Leu	Leu	Ser	Leu	Trp	Gly	Leu	Val	Ser	Asp	Val	Pro	Gln	Glu	Leu
							195					200			205
Gln	Ala	Val	Ala	Gln	Gln	Phe	Ser	Leu	Pro	Gln	Glu	Gln	Val	Ser	Glu
							210					215			220
Glu	Leu	Asp	Gly	Val	Gly	Val	Ser	Ile	Gly	Ser	Ala	Ile	His	Thr	Gln
							225					230			240
Leu	Arg	Ser	Ser	Val	Tyr	Pro	Leu	Leu	Ala	Ala	Val	Gly	Ser	Leu	Gly
							245					250			255
Gln	Val	Leu	Gln	Val	Ser	Val	His	His	Leu	Gln	Thr	Leu	Asn	Ala	Thr
							260					265			270
Val	Val	Glu	Leu	Gln	Ala	Gly	Gln	Gln	Asp	Leu	Glu	Pro	Ala	Ile	Arg
							275					280			285
Glu	His	Arg	Asp	Arg	Leu	Leu	Glu	Leu	Leu	Gln	Glu	Ala	Arg	Cys	Gln
							290					295			300
Gly	Asp	Cys	Ala	Gly	Ala	Leu	Ser	Trp	Ala	Arg	Thr	Leu	Glu	Leu	Gly
							305					310			320
Ala	Asp	Phe	Ser	Gln	Val	Pro	Ser	Val	Asp	His	Val	Leu	His	Gln	Leu
							325					330			335
Lys	Gly	Val	Pro	Glu	Ala	Asn	Phe	Ser	Ser	Met	Val	Gln	Glu	Glu	Asn
							340					345			350
Ser	Thr	Phe	Asn	Ala	Leu	Pro	Ala	Leu	Ala	Ala	Met	Gln	Thr	Ser	Ser
							355					360			365
Val	Val	Gln	Glu	Leu	Lys	Lys	Ala	Val	Ala	Gln	Gln	Pro	Glu	Gly	Val
							370					375			380

Cura 374 CON seq list.txt

Arg	Thr	Leu	Ala	Glu	Gly	Phe	Pro	Gly	Leu	Glù	Ala	Ala	Ser	Arg	Trp
385				390					395					400	
Ala	Gln	Ala	Leu	Gln	Glu	Val	Glu	Glu	Ser	Ser	Arg	Pro	Tyr	Leu	Gln
			405				410							415	
Glu	Val	Gln	Arg	Tyr	Glu	Thr	Tyr	Arg	Trp	Ile	Val	Gly	Cys	Val	Leu
			420				425							430	
Cys	Ser	Val	Val	Leu	Phe	Val	Val	Leu	Cys	Asn	Leu	Leu	Gly	Leu	Asn
			435				440							445	
Leu	Gly	Ile	Trp	Gly	Leu	Ser	Ala	Arg	Asp	Asp	Pro	Ser	His	Pro	Glu
			450			455					460				
Ala	Lys	Gly	Glu	Ala	Gly	Ala	Arg	Phe	Leu	Met	Ala	Gly	Val	Gly	Leu
			465			470				475				480	
Ser	Phe	Leu	Phe	Ala	Ala	Pro	Leu	Ile	Leu	Leu	Val	Phe	Ala	Thr	Phe
			485					490					495		
Leu	Val	Gly	Gly	Asn	Val	Gln	Thr	Leu	Val	Cys	Gln	Ser	Trp	Glu	Asn
			500					505					510		
Gly	Glu	Leu	Phe	Glu	Phe	Ala	Asp	Thr	Pro	Gly	Asn	Leu	Pro	Pro	Ser
			515				520						525		
Met	Asn	Leu	Ser	Gln	Leu	Leu	Gly	Leu	Arg	Lys	Asn	Ile	Ser	Ile	His
			530			535					540				
Gln	Ala	Tyr	Gln	Gln	Cys	Lys	Glu	Gly	Ala	Ala	Leu	Trp	Thr	Val	Leu
			545			550				555				560	
Gln	Leu	Asn	Asp	Ser	Tyr	Asp	Leu	Glu	Glu	His	Leu	Asp	Ile	Asn	Gln
			565				570						575		
Tyr	Thr	Asn	Lys	Leu	Arg	Gln	Glu	Leu	Gln	Ser	Leu	Lys	Val	Asp	Thr
			580				585						590		
Gln	Ser	Leu	Asp	Leu	Leu	Ser	Ser	Ala	Ala	Arg	Arg	Asp	Leu	Glu	Ala
			595			600					605				
Leu	Gln	Ser	Ser	Gly	Leu	Gln	Arg	Ile	His	Tyr	Pro	Asp	Phe	Leu	Val
			610			615					620				
Gln	Ile	Gln	Arg	Pro	Val	Val	Lys	Thr	Ser	Met	Glu	Gln	Leu	Ala	Gln
			625			630				635				640	
Glu	Leu	Gln	Gly	Leu	Ala	Gln	Ala	Gln	Asp	Asn	Ser	Val	Leu	Gly	Gln
			645				650						655		

Cura 374 CON seq list.txt

Arg Leu Gln Glu Glu Ala Gln Gly Leu Arg Asn Leu His Gln Glu Lys
660 665 670

Val Val Pro Gln Gln Ser Leu Val Ala Lys Leu Asn Leu Ser Val Arg
675 680 685

Ala Leu Glu Ser Ser Ala Pro Asn Leu Gln Val Ala Ala Val Gly Gly
690 695 700

Asp Leu Glu Thr Ser Asp Val Leu Ala Asn Val Thr Tyr Leu Lys Gly
705 710 715 720

Glu Leu Pro Ala Trp Ala Ala Arg Ile Leu Arg Asn Val Ser Glu Cys
725 730 735

Phe Leu Ala Arg Glu Met Gly Tyr Phe Ser Gln Tyr Val Ala Trp Val
740 745 750

Arg Glu Glu Val Thr Gln Arg Ile Ala Thr Cys Gln Pro Leu Ser Gly
755 760 765

Ala Leu Asp Asn Ser Arg Val Ile Leu Cys Asp Met Met Ala Asp Pro
770 775 780

Trp Asn Ala Phe Trp Phe Cys Leu Ala Trp Cys Thr Phe Phe Leu Ile
785 790 795 800

Pro Ser Ile Ile Phe Ala Val Lys Thr Ser Lys Tyr Phe Arg Pro Ile
805 810 815

Arg Lys Arg Leu Ser Ser Thr Ser Ser Glu Glu Thr Gln Leu Phe His
820 825 830

Ile Pro Arg Val Thr Ser Leu Lys Leu
835 840

<210> 9

<211> 2007

<212> DNA

<213> Homo sapiens

<400> 9

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cttcgtcatt gctgtgggaa tctggtcgtc catccgtgca agtcgaggga ccattggcgg 180
ctatccctg gccgggaggt ccatgagctg gtggccagtg attggagcat ctctgatgtc 240

Cura 374 CON seq list.txt

cagcaatgtg ggcagtggct tgttcatcg cgctggctgg acaggggctg ccggaggcct 300
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caacttccat aatagcaaag actttgaacc aatccaaata tccaacaatg agcaggccct 1740
gagccagca gagaaggctg cgctagaaca gaagctgaca agcattgagg aggagtcttc 1800

Cura 374 CON seq list.txt

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actctggaga catgtctgca acatcaatgc tgtcctttg ctggccatca acatcttcct 1980
ctggggctat tttgcgtgat tccacag 2007

<210> 10
<211> 664
<212> PRT
<213> Homo sapiens

<400> 10
Met Gly Pro Gly Ala Ser Gly Asp Gly Val Arg Thr Glu Thr Ala Pro
1 5 10 15

His Ile Ala Leu Asp Ser Arg Val Gly Leu His Ala Tyr Asp Ile Ser
20 25 30

Val Val Val Ile Tyr Phe Val Phe Val Ile Ala Val Gly Ile Trp Ser
35 40 45

Ser Ile Arg Ala Ser Arg Gly Thr Ile Gly Gly Tyr Phe Leu Ala Gly
50 55 60

Arg Ser Met Ser Trp Trp Pro Val Ile Gly Ala Ser Leu Met Ser Ser
65 70 75 80

Asn Val Gly Ser Gly Leu Phe Ile Gly Leu Ala Gly Thr Gly Ala Ala
85 90 95

Gly Gly Leu Ala Val Gly Phe Glu Trp Asn Ala Thr Trp Leu Leu
100 105 110

Leu Ala Leu Gly Trp Val Phe Val Pro Val Tyr Ile Ala Ala Gly Val
115 120 125

Val Thr Met Pro Gln Tyr Leu Lys Lys Arg Phe Gly Gly Gln Arg Ile
130 135 140

Gln Met Tyr Met Ser Val Leu Ser Leu Ile Leu Tyr Ile Phe Thr Lys
145 150 155 160

Ile Ser Val Asp Ile Phe Ser Gly Ala Leu Phe Ile Gln Met Ala Leu
165 170 175

Gly Trp Asn Leu Tyr Leu Ser Thr Gly Ile Leu Leu Val Val Thr Ala

Cura 374 CON seq list.txt

180

185

190

Val Tyr Thr Ile Ala Gly Gly Leu Met Ala Val Ile Tyr Thr Asp
 195 200 205

Ala Leu Gln Thr Val Ile Met Val Gly Gly Ala Leu Val Leu Met Phe
 210 215 220

Leu Gly Lys Glu Glu Thr Gly Trp Tyr Pro Gly Leu Glu Gln Arg Tyr
 225 230 235 240

Arg Gln Ala Ile Pro Asn Val Thr Val Pro Asn Thr Thr Cys His Leu
 245 250 255

Pro Arg Pro Asp Ala Phe His Met Leu Arg Asp Pro Val Ser Gly Asp
 260 265 270

Ile Pro Trp Pro Gly Leu Ile Phe Gly Leu Thr Val Leu Ala Thr Trp
 275 280 285

Cys Trp Cys Thr Asp Gln Val Ile Val Gln Arg Ser Leu Ser Ala Lys
 290 295 300

Ser Leu Ser His Ala Lys Gly Gly Ser Val Leu Gly Gly Tyr Leu Lys
 305 310 315 320

Ile Leu Pro Met Phe Phe Ile Val Met Pro Gly Met Ile Ser Arg Ala
 325 330 335

Leu Phe Pro Glu Ile Ala Cys Met Cys Val Pro Val Cys Thr His Ala
 340 345 350

Cys Ala Ala Arg Lys Arg Lys Glu Gly Val Leu Gln Gly Leu Val Val
 355 360 365

Ala Val Arg Leu Ser Pro Gly Leu Arg Gly Leu Met Ile Ala Val Ile
 370 375 380

Met Ala Ala Leu Met Ser Ser Leu Thr Ser Ile Phe Asn Ser Ser Ser
 385 390 395 400

Thr Leu Phe Thr Ile Asp Val Trp Gln Arg Phe Arg Arg Lys Ser Thr
 405 410 415

Glu Gln Glu Leu Met Val Val Gly Arg Val Phe Val Val Phe Leu Val
 420 425 430

Val Ile Ser Ile Leu Trp Ile Pro Ile Ile Gln Ser Ser Asn Ser Gly
 435 440 445

Gln Leu Phe Asp Tyr Ile Gln Ala Val Thr Ser Tyr Leu Ala Pro Pro

Cura 374 CON seq list.txt

450

455

460

Ile Thr Ala Leu Phe Leu Leu Ala Ile Phe Cys Lys Arg Val Thr Glu
 465 470 475 480

Gln Gly Ala Phe Trp Gly Leu Val Phe Gly Leu Gly Val Gly Leu Leu
 485 490 495

Arg Met Ile Leu Glu Phe Ser Tyr Pro Ala Pro Ala Cys Gly Glu Val
 500 505 510

Asp Arg Arg Pro Ala Val Leu Lys Asp Phe His Tyr Leu Tyr Phe Ala
 515 520 525

Ile Leu Leu Cys Gly Leu Thr Ala Ile Val Ile Val Ile Val Ser Leu
 530 535 540

Cys Thr Thr Pro Ile Pro Glu Leu His Thr Tyr Ile Tyr Cys Gly Thr
 545 550 555 560

Ile His Asn Ser Lys Asp Phe Glu Pro Ile Gln Ile Ser Asn Asn Glu
 565 570 575

Gln Ala Leu Ser Pro Ala Glu Lys Ala Ala Leu Glu Gln Lys Leu Thr
 580 585 590

Ser Ile Glu Glu Glu Ser Ser Gly Phe Val Pro Pro Ala Trp Ser Trp
 595 600 605

Phe Cys Gly Leu Ser Gly Thr Pro Glu Gln Ala Leu Ser Pro Ala Glu
 610 615 620

Lys Ala Ala Leu Glu Gln Lys Leu Thr Ser Ile Glu Glu Glu Pro Leu
 625 630 635 640

Trp Arg His Val Cys Asn Ile Asn Ala Val Leu Leu Leu Ala Ile Asn
 645 650 655

Ile Phe Leu Trp Gly Tyr Phe Ala
 660

<210> 11

<211> 2153

<212> DNA

<213> Homo sapiens

<400> 11

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Cura 374 CON seq list.txt

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gagggcggct acttcatgcc caccggccc ttcttgaga acatcggttc catcctgtgg 480
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tgccaggtga aggcccttgg cctggcgac gtcaacctgc tgcagaacct gctgttcggc 600
agcctgatct ccgcgttgg cccagtggcc gtgctagccg tggtaggaa agcgcgcgtg 660
aacgagcagc tctacatgtat gatcttggg gaggccctgc tcaatgtgg cattactgtg 720
gtgttataca atatgttaat tgccttaca aagatgcata aatttgaaga catagaaact 780
gtcgacattt tggctggatg tgcccgattt atcggttggg ggcttggagg ggtattgttt 840
ggcatcgttt ttggatttat ttctgcattt atcacacgtt tcactcagaa tatctctgca 900
attgagccac tcatcgctt catgttccagc tatttgtctt acttagctgc tgaaaccctc 960
tatctctccg gcatcctggc gatcacagcc tgccgcagtaa caatgaaaaa gtacgtggaa 1020
gaaaaacgtgt cccagacatc atacacgacc atcaagtaact tcatgaagat gctgagcagc 1080
gtcagcgaga ctttgcattt catcttcatg ggtgtgtcca ctgtgggcaa gaatcacgag 1140
tggactggg ctttgcattt catcttcatg ggtgtgtcca ctgtgggcaa gaatcacgag 1200
gtatttgctc tcttctatata cagtaaccag ttccggactt tccccctctc catcaaggac 1260
cagtgcattt ttttctacag tgggttttcga ggagctggaa gtttttcaact tgcattttt 1320
cttcctctgt ctcttttcc taggaagaaa atgtttgtca ctgctactt agtagttata 1380
tactttactg tatttattca gggaaatcaca gttggccctc tggcaggta cctggatgtt 1440
aaaaaaaaacca ataaaaaaaaa atccatcaat gaagagcttc atattcgctt gatggatcac 1500
ttaaaggctg gaatcgaaga tgtgtgtggg cactggagtc actaccaagt gagagacaag 1560
tttaagaagt ttgatcatag atacttacgg aaaatcctca tcagaaagaa cctacccaaa 1620

Cura 374 CON seq list.txt

tcaagcattg tttcttgta caagaagctg gaaatgaagc aagccatcgatggagg 1680
actggatac tgagctctac agcttctcc atacccatc aggcccagag gatacaagga 1740
atcaaaagac ttcccctga agatgtggag tccataaggg acattctgac atccaacatg 1800
taccaagttc ggcaaaggac cctgtcctac aacaaataca acctaacc ccaaacaagt 1860
gagaaggcagg ctaaagagat tctgatccgc cgccagaaca ccttaaggaa gagcatgagg 1920
aaaggtcaca gcctgccctg gggaaagccg gctggcacca agaatatccg ctacctctcc 1980
tacccctacg ggaatcctca gtctgcagga agagacacaa gggctgctgg gttctcaggt 2040
aagctgccc cctggctgct ccttggttg aggttcggtc gaggtggaca gctgaccatg 2100
gacacggcag ggaccatcac aggtccata gtccttgct caaaaaaaaa tag 2153

<210> 12

<211> 717

<212> PRT

<213> Homo sapiens

<400> 12

Met Ala Leu Gln Met Phe Val Thr Tyr Ser Pro Trp Asn Cys Leu Leu
1 5 10 15

Leu Leu Val Ala Leu Glu Cys Ser Glu Ala Ser Ser Asp Leu Asn Glu
20 25 30

Ser Ala Asn Ser Thr Ala Gln Tyr Ala Ser Asn Ala Trp Phe Ala Ala
35 40 45

Ala Ser Ser Glu Pro Glu Glu Gly Ile Ser Val Phe Glu Leu Asp Tyr
50 55 60

Asp Tyr Val Gln Ile Pro Tyr Glu Val Thr Leu Trp Ile Leu Leu Ala
65 70 75 80

Ser Leu Ala Lys Ile Gly Phe His Leu Tyr His Arg Leu Pro Gly Leu
85 90 95

Met Pro Glu Ser Cys Leu Leu Ile Leu Val Gly Ala Leu Val Gly Gly
100 105 110

Ile Ile Phe Gly Thr Asp His Lys Ser Pro Pro Val Met Asp Ser Ser
115 120 125

Ile Tyr Phe Leu Tyr Leu Leu Pro Pro Ile Val Leu Glu Gly Gly Tyr

Cura 374 CON seq list.txt

130	135	140
Phe Met Pro Thr Arg Pro Phe Phe Glu Asn Ile Gly Ser Ile Leu Trp		
145	150	155
Trp Ala Val Leu Gly Ala Leu Ile Asn Ala Leu Gly Ile Gly Leu Ser		
165	170	175
Leu Tyr Leu Ile Cys Gln Val Lys Ala Phe Gly Leu Gly Asp Val Asn		
180	185	190
Leu Leu Gln Asn Leu Leu Phe Gly Ser Leu Ile Ser Ala Val Asp Pro		
195	200	205
Val Ala Val Leu Ala Val Phe Glu Glu Ala Arg Val Asn Glu Gln Leu		
210	215	220
Tyr Met Met Ile Phe Gly Glu Ala Leu Leu Asn Asp Gly Ile Thr Val		
225	230	235
240		
Val Leu Tyr Asn Met Leu Ile Ala Phe Thr Lys Met His Lys Phe Glu		
245	250	255
Asp Ile Glu Thr Val Asp Ile Leu Ala Gly Cys Ala Arg Phe Ile Val		
260	265	270
Val Gly Leu Gly Gly Val Leu Phe Gly Ile Val Phe Gly Phe Ile Ser		
275	280	285
Ala Phe Ile Thr Arg Phe Thr Gln Asn Ile Ser Ala Ile Glu Pro Leu		
290	295	300
Ile Val Phe Met Phe Ser Tyr Leu Ser Tyr Leu Ala Ala Glu Thr Leu		
305	310	315
320		
Tyr Leu Ser Gly Ile Leu Ala Ile Thr Ala Cys Ala Val Thr Met Lys		
325	330	335
Lys Tyr Val Glu Glu Asn Val Ser Gln Thr Ser Tyr Thr Thr Ile Lys		
340	345	350
Tyr Phe Met Lys Met Leu Ser Ser Val Ser Glu Thr Leu Ile Phe Ile		
355	360	365
Phe Met Gly Val Ser Thr Val Gly Lys Asn His Glu Trp Asn Trp Ala		
370	375	380
Phe Ile Cys Phe Thr Leu Ala Phe Cys Gln Ile Trp Arg Ala Ile Ser		
385	390	395
400		
Val Phe Ala Leu Phe Tyr Ile Ser Asn Gln Phe Arg Thr Phe Pro Phe		

Cura 374 CON seq list.txt

405

410

415

Ser Ile Lys Asp Gln Cys Ile Ile Phe Tyr Ser Gly Val Arg Gly Ala
 420 425 430

Gly Ser Phe Ser Leu Ala Phe Leu Leu Pro Leu Ser Leu Phe Pro Arg
 435 440 445

Lys Lys Met Phe Val Thr Ala Thr Leu Val Val Ile Tyr Phe Thr Val
 450 455 460

Phe Ile Gln Gly Ile Thr Val Gly Pro Leu Val Arg Tyr Leu Asp Val
 465 470 475 480

Lys Lys Thr Asn Lys Lys Glu Ser Ile Asn Glu Glu Leu His Ile Arg
 485 490 495

Leu Met Asp His Leu Lys Ala Gly Ile Glu Asp Val Cys Gly His Trp
 500 505 510

Ser His Tyr Gln Val Arg Asp Lys Phe Lys Lys Phe Asp His Arg Tyr
 515 520 525

Leu Arg Lys Ile Leu Ile Arg Lys Asn Leu Pro Lys Ser Ser Ile Val
 530 535 540

Ser Leu Tyr Lys Lys Leu Glu Met Lys Gln Ala Ile Glu Met Val Glu
 545 550 555 560

Thr Gly Ile Leu Ser Ser Thr Ala Phe Ser Ile Pro His Gln Ala Gln
 565 570 575

Arg Ile Gln Gly Ile Lys Arg Leu Ser Pro Glu Asp Val Glu Ser Ile
 580 585 590

Arg Asp Ile Leu Thr Ser Asn Met Tyr Gln Val Arg Gln Arg Thr Leu
 595 600 605

Ser Tyr Asn Lys Tyr Asn Leu Lys Pro Gln Thr Ser Glu Lys Gln Ala
 610 615 620

Lys Glu Ile Leu Ile Arg Arg Gln Asn Thr Leu Arg Glu Ser Met Arg
 625 630 635 640

Lys Gly His Ser Leu Pro Trp Gly Lys Pro Ala Gly Thr Lys Asn Ile
 645 650 655

Arg Tyr Leu Ser Tyr Pro Tyr Gly Asn Pro Gln Ser Ala Gly Arg Asp
 660 665 670

Thr Arg Ala Ala Gly Phe Ser Gly Lys Leu Pro Thr Trp Leu Leu Leu

Cura 374 CON seq list.txt

675 680 685

Trp Leu Arg Phe Gly Arg Gly Gly Gln Leu Thr Met Asp Thr Ala Gly
 690 695 700

Thr Ile Thr Gly Pro Ile Val Leu Cys Ser Lys Lys Asn
 705 710 715

<210> 13
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 13
 gacaggattc cacagcttg cactcctggc tctgctttct ctgcaaccat gtctgacaaa 60
 cccagcatgg ctgagattga gacactcaat aagcagagat tgaagaaggc agaaaacacaa 120
 gagataaatac caccgccttc aagagaaaca aacgaaagaa gcaaacaggt gaattataat 180
 gagctgttag ctgcgaatag gtactgcaca ttccatggc attgccttct tattttactt 240
 ctttagctg t 251

<210> 14
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 14
 Met Ser Asp Lys Pro Ser Met Ala Glu Ile Glu Thr Leu Asn Lys Gln
 1 5 10 15

Arg Leu Lys Lys Ala Glu Thr Gln Glu Ile Asn Pro Pro Pro Ser Arg
 20 25 30

Glu Thr Asn Glu Arg Ser Lys Gln Val Asn Tyr Asn Glu Leu
 35 40 45

<210> 15
 <211> 2144
 <212> DNA
 <213> Homo sapiens

<400> 15
 atgcttcaca cggccatatac atgctggcag ccattcctgg gtctggctgt ggtgttaatc 60

Cura 374 CON seq list.txt

ttcatggat ccaccattgg ctgccccgt cgctgtgagt gctctgccc gaacaaatct 120
gttagctgtc acagaaggcg attgatcgcc atcccagagg gcattccat cgaaccaaa 180
atcttggacc tcagtaaaaa caggctaaaa agcgtcaacc ctgaagaatt catatcatat 240
cctctgctgg aagagataga cttgagtgac aacatcattg ccaatgtgga accaggagca 300
ttcaacaatc tcttaacct gcgttcctc cgcctaaaag gcaatcgct aaagctggtc 360
ccttggag tattcacggg gctgtcaat ctcactaagc ttgacattag tgagaataag 420
attgtcattt tactagacta catgttccaa gatctacata acctgaagtc tctagaagtg 480
ggggacaatg atttggttt tatatcacac agggcattca gtggccttct tagttggag 540
cagctcaccc tggagaaatg caacttaaca gcagtaccaa cagaagccct ctcccacctc 600
cgcagcctca tcagcctgca tctgaagcat ctcaatatca acaatatgcc tgtgtatgcc 660
tttaaaagat tgttccaccc gaaacaccta gagattgact attggcctt actggatatg 720
atgcctgcca atagcctcta cggtctcaac ctcacatccc tttcagtcac caacaccaat 780
ctgtctactg tacccttcct tgccttaaa cacctggat acctgactca ccttaacctc 840
tcctacaatc ccatcagcac tattgaagca ggcatgttct ctgacctgat ccgccttcag 900
gagttcata tagtggggc ccagctcgc accattgagc ctcactcctt ccaagggctc 960
cgcttcctac gcgtgctcaa tgtgtctcag aacctgctgg aaactttgga agagaatgtc 1020
ttctcctccc cttaggctct ggaggtcttg agcattaaca acaaccctct ggctgtgac 1080
tgccgccttc tctggatctt gcagcgacag cccaccctgc agtttggtgg ccagcaacct 1140
atgtgtgctg gcccagacac catccgtgag aggtcttca aggattcca tagcactgcc 1200
ctttctttt actttacctg caaaaaaccc aaaatccgtg aaaagaagtt gcagcatctg 1260
ctagtagatg aagggcagac agtccagcta gaatgcagtg cagatggaga cccgcagcct 1320
gtgatttcct gggtgacacc ccgaaggcgt ttcatcacca ccaagtccaa tggaaagagcc 1380
accgtgttgg gtgatggcac cttggaaatc cgcttgcctt aggatcaaga cagcgggatg 1440
tatgtttgca tcgctagcaa tgctgctgg aatgatactt tcacagcctc cttaactgtg 1500
aaaggattcg cttcagatcg ttttctttat gcgaacagga cccctatgta catgaccgac 1560
tccaatgaca ccatttccaa tggcagcaat gccaatactt tttccctgga cttaaaaca 1620

Cura 374 CON seq list.txt

atactggtgt ctacagctat gggctgcttc acattcctgg gagtggtttt attttgtttt 1680
cttctccctt ttgtgtggag ccgaggaaa ggcaagcaca aaaacagcat tgacctttag 1740
tatgtgccca aaaaaaaacca tggtgctgtt gtggaagggg aggtagctgg acccaggagg 1800
ttcaacatga aaatgatttgc aaggcccacc cctcacatta ctgtctctt gtcaatgtgg 1860
gtaatcagta agacagtatg gcacagtaaa ttactagatt aagaggcagc catgtgcagc 1920
tgccccgtta tcaaaagcag ggtctatgga agcaggagga cttccaatgg agactctcca 1980
tcgaaaggca ggcaggcagg catgtgtcag agcccttcac acagtggat actaagtgtt 2040
tgcgttgcaa atattggcgt tctgggatc tcagtaatga acctgaatat ttggctcaca 2100
ctcacggaca attattcagc attttctacc actgcaaaaa aaaa 2144

<210> 16
<211> 606
<212> PRT
<213> Homo sapiens

<400> 16
Met Leu His Thr Ala Ile Ser Cys Trp Gln Pro Phe Leu Gly Leu Ala
1 5 10 15
Val Val Leu Ile Phe Met Gly Ser Thr Ile Gly Cys Pro Ala Arg Cys
20 25 30
Glu Cys Ser Ala Gln Asn Lys Ser Val Ser Cys His Arg Arg Arg Leu
35 40 45
Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asp Leu
50 55 60
Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
65 70 75 80
Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
85 90 95
Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
100 105 110
Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
115 120 125

Cura 374 CON seq.list.txt

Ser	Asn	Leu	Thr	Lys	Leu	Asp	Ile	Ser	Glu	Asn	Lys	Ile	Val	Ile	Leu
130					135						140				
Leu	Asp	Tyr	Met	Phe	Gln	Asp	Leu	His	Asn	Leu	Lys	Ser	Leu	Glu	Val
145					150					155					160
Gly	Asp	Asn	Asp	Leu	Val	Tyr	Ile	Ser	His	Arg	Ala	Phe	Ser	Gly	Leu
				165					170					175	
Leu	Ser	Leu	Glu	Gln	Leu	Thr	Leu	Glu	Lys	Cys	Asn	Leu	Thr	Ala	Val
				180				185					190		
Pro	Thr	Glu	Ala	Leu	Ser	His	Leu	Arg	Ser	Leu	Ile	Ser	Leu	His	Leu
				195			200				205				
Lys	His	Leu	Asn	Ile	Asn	Asn	Met	Pro	Val	Tyr	Ala	Phe	Lys	Arg	Leu
				210		215				220					
Phe	His	Leu	Lys	His	Leu	Glu	Ile	Asp	Tyr	Trp	Pro	Leu	Leu	Asp	Met
				225		230			235					240	
Met	Pro	Ala	Asn	Ser	Leu	Tyr	Gly	Leu	Asn	Leu	Thr	Ser	Leu	Ser	Val
				245				250			255				
Thr	Asn	Thr	Asn	Leu	Ser	Thr	Val	Pro	Phe	Leu	Ala	Phe	Lys	His	Leu
				260			265			270					
Val	Tyr	Leu	Thr	His	Leu	Asn	Leu	Ser	Tyr	Asn	Pro	Ile	Ser	Thr	Ile
				275			280			285					
Glu	Ala	Gly	Met	Phe	Ser	Asp	Leu	Ile	Arg	Leu	Gln	Glu	Leu	His	Ile
				290		295				300					
Val	Gly	Ala	Gln	Leu	Arg	Thr	Ile	Glu	Pro	His	Ser	Phe	Gln	Gly	Leu
				305		310			315				320		
Arg	Phe	Leu	Arg	Val	Leu	Asn	Val	Ser	Gln	Asn	Leu	Leu	Glu	Thr	Leu
				325				330				335			
Glu	Glu	Asn	Val	Phe	Ser	Ser	Pro	Arg	Ala	Leu	Glu	Val	Leu	Ser	Ile
				340			345					350			
Asn	Asn	Asn	Pro	Leu	Ala	Cys	Asp	Cys	Arg	Leu	Leu	Trp	Ile	Leu	Gln
				355			360			365					
Arg	Gln	Pro	Thr	Leu	Gln	Phe	Gly	Gly	Gln	Gln	Pro	Met	Cys	Ala	Gly
				370		375				380					
Pro	Asp	Thr	Ile	Arg	Glu	Arg	Ser	Phe	Lys	Asp	Phe	His	Ser	Thr	Ala
				385			390			395			400		

Cura 374 CON seq list.txt

Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys
405 410 415

Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
420 425 430

Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
435 440 445

Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
450 455 460

Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
465 470 475 480

Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
485 490 495

Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
500 505 510

Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
515 520 525

Ser Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
530 535 540

Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
545 550 555 560

Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
565 570 575

Ile Asp Leu Glu Tyr Val Pro Lys Lys Asn His Gly Ala Val Val Glu
580 585 590

Gly Glu Val Ala Gly Pro Arg Arg Phe Asn Met Lys Met Ile
595 600 605

<210> 17
<211> 2187
<212> DNA
<213> Homo sapiens

<400> 17
aatcatgagg aacctataac cctttggcc acatgcaaaa aagcaagacc cgtgaccaag 60
gtgttagacta agaagtggag tcatgcttca cacggccata tcatgctggc agccattcct 120
gggtctggct gtgggttaa tcttcatggg acccaccatt ggctgccccg ctcgctgtga 180

Cura 374 CON seq list.txt

gtgctctgcc cagaacaaat ctgttagctg tcacagaagg cgattgatcg ccatcccaga 240
ggcattccc atcgaaacca aaatctgaa cctcagtaaa aacaggctaa aaagcgtcaa 300
ccctgaagaa ttcatatatcat atcctctgct ggaagagata gacttgagtg acaacatcat 360
tgccaatgtg gaaccaggag cattcaacaa tctctttaac ctgcgttccc tccgcctaaa 420
aggcaatcgt ctaaagctgg tcccttggg agtattcacg gggctgtcca atctcactaa 480
gcttgacatt agtgagaata agattgtcat tttactagac tacatgttcc aagatctaca 540
taacctgaag tctctagaag tgggggacaa tgatttggtt tatatatcac acagggcatt 600
cagtggcctt cttagcttgg agcagctcac cctggagaaa tgcaacttaa cagcagtacc 660
aacagaagcc ctctcccacc tccgcagcct catcagcctg catctgaagc atctcaatat 720
caacaatatg cctgtgtata ccttaaaag attgttccac ctgaaacacc tagagattga 780
ctattggcct ttactggata tgatgcctgc caatagcctc tacggtctca acctcacacc 840
ccttcagtc accaacacca atctgtctac tgtacccttc ctgccttta aacacctgg 900
atacctgact cacctaacc tctcctacaa tcccatcagc actattgaag caggcatgtt 960
ctctgacctg atccgccttc aggagttca tatagtgggg gcccagcttc gcaccattga 1020
gcctcactcc ttccaagggc tccgcttcct acgcgtgctc aatgtgtctc agaacctgct 1080
ggaaactttg gaagagaatg tcttctcctc ccctaggct ctggaggtct tgagcattaa 1140
caacaaccct ctggcctgtg actgcccct tctctggatc ttgcagcgtc agcccaccct 1200
gcagtttgtt ggccagcaac ctatgtgtgc tggcccagac accatccgtg agaggtctt 1260
caaggatttc catagcactg ccctttctt ttactttacc tgcaaaaaac ccaaaatccg 1320
tgaaaaagaag ttgcagcatc tgctagtaga tgaagggcag acagtccagc tagaatgcag 1380
tgcagatgga gacccgcagc ctgtgatttc ctgggtgaca ccccgaaggc gtttcatcac 1440
caccaagtcc aatggaagag ccaccgtgtt gggtgatggc accttgaaa tccgcttc 1500
ccagggatcaa gacagcggga tgtatgttg catcgctagc aatgctgctg ggaatgatac 1560
cttcacagcc tccttaactg tgaaaggatt cgcttcagat cgtttctt atgcgaacag 1620
gaccctatg tacatgaccg actccaatga caccattcc aatggcacca atgccaatac 1680

Cura 374 CON seq list.txt

tttttccctg gacctaaaaa caataactggt gtctacagct atgggctgct tcacattcct 1740
gggagtggtt ttatTTgtt ttcttcctt tttgtgtgg agccgaggga aaggcaagca 1800
caaaaacagc attgaccccttg agtatgtgcc cagaaaaaac agtggtgctg ttgtggaagg 1860
ggaggttagct ggaccaggaa ggttcaacat gaaaatgatt tgaaggcca cccctcacat 1920
tactgtctct ttgtcaatgt ggtaatcag taagacagta tggcacagta aattactaga 1980
ttaagaggca gccatgtgca gctgcccctg tatcaaaagc agggtctatg gaagcaggag 2040
gacttccaat ggagactctc catcgaaagg caggcaggca ggcattgtgtc agagcccttc 2100
acacagtggg atactaagtg tttgcgttgc aaatattggc gttctgggaa tctcagtaat 2160
gaacctgaat atttggctca cactcac 2187

<210> 18

<211> 606

<212> PRT

<213> Homo sapiens

<400> 18

Met Leu His Thr Ala Ile Ser Cys Trp Gln Pro Phe Leu Gly Leu Ala
1 5 10 15

Val Val Leu Ile Phe Met Gly Pro Thr Ile Gly Cys Pro Ala Arg Cys
20 25 30

Glu Cys Ser Ala Gln Asn Lys Ser Val Ser Cys His Arg Arg Arg Leu
35 40 45

Ile Ala Ile Pro Glu Gly Ile Pro Ile Glu Thr Lys Ile Leu Asn Leu
50 55 60

Ser Lys Asn Arg Leu Lys Ser Val Asn Pro Glu Glu Phe Ile Ser Tyr
65 70 75 80

Pro Leu Leu Glu Glu Ile Asp Leu Ser Asp Asn Ile Ile Ala Asn Val
85 90 95

Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn Leu Arg Ser Leu Arg Leu
100 105 110

Lys Gly Asn Arg Leu Lys Leu Val Pro Leu Gly Val Phe Thr Gly Leu
115 120 125

Ser Asn Leu Thr Lys Leu Asp Ile Ser Glu Asn Lys Ile Val Ile Leu

Cura 374 CON seq list.txt

130

135

140

Leu Asp Tyr Met Phe Gln Asp Leu His Asn Leu Lys Ser Leu Glu Val
 145 150 155 160

Gly Asp Asn Asp Leu Val Tyr Ile Ser His Arg Ala Phe Ser Gly Leu
 165 170 175

Leu Ser Leu Glu Gln Leu Thr Leu Glu Lys Cys Asn Leu Thr Ala Val
 180 185 190

Pro Thr Glu Ala Leu Ser His Leu Arg Ser Leu Ile Ser Leu His Leu
 195 200 205

Lys His Leu Asn Ile Asn Asn Met Pro Val Tyr Thr Phe Lys Arg Leu
 210 215 220

Phe His Leu Lys His Leu Glu Ile Asp Tyr Trp Pro Leu Leu Asp Met
 225 230 235 240

Met Pro Ala Asn Ser Leu Tyr Gly Leu Asn Leu Thr Pro Leu Ser Val
 245 250 255

Thr Asn Thr Asn Leu Ser Thr Val Pro Phe Leu Ala Phe Lys His Leu
 260 265 270

Val Tyr Leu Thr His Leu Asn Leu Ser Tyr Asn Pro Ile Ser Thr Ile
 275 280 285

Glu Ala Gly Met Phe Ser Asp Leu Ile Arg Leu Gln Glu Leu His Ile
 290 295 300

Val Gly Ala Gln Leu Arg Thr Ile Glu Pro His Ser Phe Gln Gly Leu
 305 310 315 320

Arg Phe Leu Arg Val Leu Asn Val Ser Gln Asn Leu Leu Glu Thr Leu
 325 330 335

Glu Glu Asn Val Phe Ser Ser Pro Arg Ala Leu Glu Val Leu Ser Ile
 340 345 350

Asn Asn Asn Pro Leu Ala Cys Asp Cys Arg Leu Leu Trp Ile Leu Gln
 355 360 365

Arg Gln Pro Thr Leu Gln Phe Gly Gly Gln Gln Pro Met Cys Ala Gly
 370 375 380

Pro Asp Thr Ile Arg Glu Arg Ser Phe Lys Asp Phe His Ser Thr Ala
 385 390 395 400

Leu Ser Phe Tyr Phe Thr Cys Lys Lys Pro Lys Ile Arg Glu Lys Lys

Cura 374 CON seq list.txt

405

410

415

Leu Gln His Leu Leu Val Asp Glu Gly Gln Thr Val Gln Leu Glu Cys
 420 425 430

Ser Ala Asp Gly Asp Pro Gln Pro Val Ile Ser Trp Val Thr Pro Arg
 435 440 445

Arg Arg Phe Ile Thr Thr Lys Ser Asn Gly Arg Ala Thr Val Leu Gly
 450 455 460

Asp Gly Thr Leu Glu Ile Arg Phe Ala Gln Asp Gln Asp Ser Gly Met
 465 470 475 480

Tyr Val Cys Ile Ala Ser Asn Ala Ala Gly Asn Asp Thr Phe Thr Ala
 485 490 495

Ser Leu Thr Val Lys Gly Phe Ala Ser Asp Arg Phe Leu Tyr Ala Asn
 500 505 510

Arg Thr Pro Met Tyr Met Thr Asp Ser Asn Asp Thr Ile Ser Asn Gly
 515 520 525

Thr Asn Ala Asn Thr Phe Ser Leu Asp Leu Lys Thr Ile Leu Val Ser
 530 535 540

Thr Ala Met Gly Cys Phe Thr Phe Leu Gly Val Val Leu Phe Cys Phe
 545 550 555 560

Leu Leu Leu Phe Val Trp Ser Arg Gly Lys Gly Lys His Lys Asn Ser
 565 570 575

Ile Asp Leu Glu Tyr Val Pro Arg Lys Asn Ser Gly Ala Val Val Glu
 580 585 590

Gly Glu Val Ala Gly Pro Arg Arg Phe Asn Met Lys Met Ile
 595 600 605

<210> 19

<211> 1215

<212> DNA

<213> Homo sapiens

<400> 19

gctcctttct tccctctcca gaagtccatt ggaatattaa gcccaggagt tgcttgggg 60

atggctggaa gtgcaatgtc ttccaagttc ttcctagtg 61 ctttggccat attttctcc 120

ttcgcccagg ttgttaattga agccaattct tggtggtcgc taggtatgaa taaccctgtt 180

Cura 374 CON seq list.txt

cagatgtcag aagtatatat tataggagca cagcctctct gcagccaact ggcaggactt 240
tctcaaggac agaagaaaact gtgccacttg tatcaggacc acatgcagta catcgagaa 300
ggcgcaaga caggcatcaa agaatgccag tatcaattcc gacatcgaag gtggaactgc 360
agcactgtgg ataacacaccc ttttttggc agggtgatgc agataggttag ccgcgagacg 420
gccttcacat acgcggtgag cgacgcagg gtggtaacg ccatgagccg ggcgtgcgc 480
gagggcgagc tgtccacctg cggctgcagc cgccgcgc gccccaaagga cctgccgcgg 540
gactggctct gggcgccacc aacaaaaaaag gctaccgctc cgccaaggag 600
atcgtgcacg cccgcgaacg aggacgcac cacgcacaagg gtcctacga gagtgctcgc 660
atcctcatga acctgcacaa caacgaggcc ggccgcagga cggtgtacaa cctggctgat 720
gtggcctgca agtgcacatgg ggtgtccggc tcacgttagcc tgaagacatg ctggctgcag 780
ctggcagact tccgcaaggt gggtgatgcc ctgaaggaga agtacgacag cgccgcggcc 840
atgcggctca acagccgggg caagttggta caggtcaaca gccgcttcaa ctcgcccacc 900
acacaagacc tggtctacat cgaccccagc cctgactact gctgacgcaaa tgagagcacc 960
ggctcgctgg gcacgcagg ccgcctgtgc aacaagacgt cggagggcat ggatggctgc 1020
gagctcatgt gctgcggccg tggctacgac cagttcaaga ccgtgcagac ggacgcgtgc 1080
cactgcaagt tccactggtg ctgctacgac aagtgcacaga agtgcacgga gatcgtggac 1140
cagttgtgt gcaagtagtg ggtgccaccc agcactcagc cccgctccca ggacccgctt 1200
atttatagaa agtac 1215

<210> 20
<211> 380
<212> PRT
<213> Homo sapiens

<400> 20
Leu Gln Lys Ser Ile Gly Ile Leu Ser Pro Gly Val Ala Leu Gly Met
1 5 10 15

Ala Gly Ser Ala Met Ser Ser Lys Phe Phe Leu Val Ala Leu Ala Ile
20 25 30

Phe Phe Ser Phe Ala Gln Val Val Ile Glu Ala Asn Ser Trp Trp Ser

Cura 374 CON seq list.txt

35

40

45

Leu Gly Met Asn Asn Pro Val Gln Met Ser Glu Val Tyr Ile Ile Gly
 50 55 60

Ala Gln Pro Leu Cys Ser Gln Leu Ala Gly Leu Ser Gln Gly Gln Lys
 65 70 75 80

Lys Leu Cys His Leu Tyr Gln Asp His Met Gln Tyr Ile Gly Glu Gly
 85 90 95

Ala Lys Thr Gly Ile Lys Glu Cys Gln Tyr Gln Phe Arg His Arg Arg
 100 105 110

Trp Asn Cys Ser Thr Val Asp Asn Thr Ser Val Phe Gly Arg Val Met
 115 120 125

Gln Ile Gly Ser Arg Glu Thr Ala Phe Thr Tyr Ala Val Ser Ala Ala
 130 135 140

Gly Val Val Asn Ala Met Ser Arg Ala Cys Arg Glu Gly Glu Leu Ser
 145 150 155 160

Thr Cys Gly Cys Ser Arg Ala Ala Arg Pro Lys Asp Leu Pro Arg Asp
 165 170 175

Trp Leu Trp Gly Gly Ser Gly Ala Thr Asn Lys Lys Gly Tyr Arg Ser
 180 185 190

Ala Lys Glu Ile Val His Ala Arg Glu Arg Gly Arg Ile His Ala Lys
 195 200 205

Gly Ser Tyr Glu Ser Ala Arg Ile Leu Met Asn Leu His Asn Asn Glu
 210 215 220

Ala Gly Arg Arg Thr Val Tyr Asn Leu Ala Asp Val Ala Cys Lys Cys
 225 230 235 240

His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln Leu
 245 250 255

Ala Asp Phe Arg Lys Val Gly Asp Ala Leu Lys Glu Lys Tyr Asp Ser
 260 265 270

Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val Asn
 275 280 285

Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp Pro
 290 295 300

Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly Thr

Cura 374 CON seq list.txt

305	310	315	320												
Gln	Gly	Arg	Leu	Cys	Asn	Lys	Thr	Ser	Glu	Gly	Met	Asp	Gly	Cys	Glu
				325					330					335	
Leu	Met	Cys	Cys	Gly	Arg	Gly	Tyr	Asp	Gln	Phe	Lys	Thr	Val	Gln	Thr
					340			345					350		
Glu	Arg	Cys	His	Cys	Lys	Phe	His	Trp	Cys	Cys	Tyr	Val	Lys	Cys	Lys
					355				360				365		
Lys	Cys	Thr	Glu	Ile	Val	Asp	Gln	Phe	Val	Cys	Lys				
					370		375			380					

<210> 21
<211> 4113
<212> DNA
<213> Homo sapiens

<400> 21
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agcgggttcc tgagtgaatt acccaggagg gactgagcac agcaccaact agagaggggt 120
cagggggtgc gggactcgag cgagcagggaa ggaggcagcg cctggcacca gggctttgac 180
tcaacagaat tgagacacgt ttgtaatcgc tggcgtgcc cgcgcacagg atcccagcga 240
aaatcagatt tcctggtgag gttgcgtggg tggattaatt tgaaaaaaaaga aactgcctat 300
atcttgccat caaaaaactc acggaggaga agcgcagtca atcaacagta aacttaagag 360
accccccgtg ctccccgtt ttaacttcta tgcttgaaaa ttatctgaga gggataaaac 420
atctttcct tctccctct ccagaagtcc attggaatat taagcccagg agttgctttg 480
gggatggctg gaagtgcaat gtcttccaag ttcttcctag tggctttggc catattttc 540
tccttcgccc aggttgtaat tgaagccaat tcttgggtt cgcttaggtat gaataaccct 600
gttcagatgt cagaagtata tattatagga gcacagcctc tctgcagcca actggcagga 660
ctttctcaag gacagaagaa actgtgccac ttgtatcagg accacatgca gtacatcgga 720
gaaggcgcga agacaggcat caaagaatgc cagtatcaat tccgacatcg acgggtggAAC 780
tgcagcacag cggataaacac ctctgtcttt gggagagtc tgcagatagg cagccgcgag 840
acggccttca cccacgcggt gagcgcccg ggcgtggta acgccatcag ccgggcctgc 900

Cura 374 CON seq list.txt

Cura 374 CON seq list.txt

tagtaaattta taatagtaga aataatacat gaatcccatt cacaggttc tcagccaaag 2520
caacaaggta attgcgtgcc attcagcaact gcaccagagc agacaaccta tttgaggaaa 2580
aacagtgaaa tccacaccttcc tcttcacact gagccctctc tgattcctcc gtgttgtat 2640
gtgatgctgg ccacgttcc aaacggcagc tccactgggt cccctttgggt tgttaggacag 2700
gaaatgaaac attaggagct ctgcttgaa aacagttcac tacttaggaa tttttgttcc 2760
ctaaaacttt tattttgagg agcagtagtt ttctatgttt taatgacaga acttggctaa 2820
tggaaattcac agaggtgttg cagcgtatca ctgttatgtat cctgtgttta gattatccac 2880
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gttgcattta taagggggga aatgtggttt aatggtgccct gatatctcaa agtctttgt 3000
acataaacata tatatatata tacatatata taaatataaa tataaatata tctcattgca 3060
gccagtgatt tagatttaca gcttactctg gggttatctc tctgtctaga gcattgttgt 3120
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gttataagaca tggacgttaa gagatattca aaactcagaa gcatcagcaa tgtttctctt 3420
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ttgagtcct aaggaatatt cagccacta catagatagc tttttttttt tttttttttt 3540
ttaataagg acacctctt ccaaacaggc catcaaatat gttcttatct cagacttacg 3600
ttgtttaaa agtttgaaa gatacacatc ttttcataacc cccccttagg aggttggct 3660
ttcatatcac ctcagccaac tgtggctctt aatttattgc ataatgatat ccacatcagc 3720
caactgtggc tcttaattt attgcataat gatattcaca tcccctcagt tgcaagtgaat 3780
tgtgagcaaa agatcttgaa agcaaaaagc actaattagt taaaatgtc actttttgg 3840
tttttattat acaaaaacca tgaagtactt tttttatgg ctaaatcaga ttgttcctt 3900
tttagtgactc atgtttatga agagagttga gtttaacaat cctagctttt aaaagaaaact 3960

Cura 374 CON seq list.txt

attnaatgtt aaatattctt catgtcattt agatatttt tatatcttct agcctttatt 4020
ctgtactttt aatgtacata tttctgtctt gcgtgatttg tatatttcac tggtttaaaa 4080
aacaaacatc gaaaggctt ttccaaatgg aag 4113

<210> 22
<211> 380
<212> PRT
<213> Homo sapiens

<400> 22
Leu Gln Lys Ser Ile Gly Ile Leu Ser Pro Gly Val Ala Leu Gly Met
1 5 10 15
Ala Gly Ser Ala Met Ser Ser Lys Phe Phe Leu Val Ala Leu Ala Ile
20 25 30
Phe Phe Ser Phe Ala Gln Val Val Ile Glu Ala Asn Ser Trp Trp Ser
35 40 45
Leu Gly Met Asn Asn Pro Val Gln Met Ser Glu Val Tyr Ile Ile Gly
50 55 60
Ala Gln Pro Leu Cys Ser Gln Leu Ala Gly Leu Ser Gln Gly Gln Lys
65 70 75 80
Lys Leu Cys His Leu Tyr Gln Asp His Met Gln Tyr Ile Gly Glu Gly
85 90 95
Ala Lys Thr Gly Ile Lys Glu Cys Gln Tyr Gln Phe Arg His Arg Arg
100 105 110
Trp Asn Cys Ser Thr Ala Asp Asn Thr Ser Val Phe Gly Arg Val Met
115 120 125
Gln Ile Gly Ser Arg Glu Thr Ala Phe Thr His Ala Val Ser Ala Ala
130 135 140
Gly Val Val Asn Ala Ile Ser Arg Ala Cys Arg Glu Gly Glu Leu Ser
145 150 155 160
Thr Cys Gly Cys Ser Arg Thr Ala Arg Pro Lys Asp Leu Pro Arg Asp
165 170 175
Trp Leu Trp Gly Gly Cys Gly Asp Asn Val Glu Tyr Gly Tyr Arg Phe
180 185 190
Ala Lys Glu Phe Val Asp Ala Arg Glu Arg Glu Lys Asn Phe Ala Lys

Cura 374 CON seq list.txt

195 200 205

Gly Ser Glu Glu Gln Gly Arg Val Leu Met Asn Leu Gln Asn Asn Glu
 210 215 220

Ala Gly Arg Arg Ala Val Tyr Lys Met Ala Asp Val Ala Cys Lys Cys
 225 230 235 240

His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln Leu
 245 250 255

Ala Glu Phe Arg Lys Val Gly Asp Arg Leu Lys Glu Lys Tyr Asp Ser
 260 265 270

Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val Asn
 275 280 285

Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp Pro
 290 295 300

Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly Thr
 305 310 315 320

Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys Glu
 325 330 335

Leu Met Cys Cys Gly Arg Gly Tyr Asp Gln Phe Lys Thr Val Gln Thr
 340 345 350

Glu Arg Cys His Cys Lys Phe His Trp Cys Cys Tyr Val Lys Cys Lys
 355 360 365

Lys Cys Thr Glu Ile Val Asp Gln Phe Val Cys Lys
 370 375 380

<210> 23

<211> 1214

<212> DNA

<213> Homo sapiens

<400> 23

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tggctggaag tgcaatgtct tccaagttct tcctagtggc tttggccata tttttctcct 120

tcgcccaggt tgtaattgaa gccaatctt ggtggtcgct aggtatgaat aaccctgttc 180

agatgtcaga agtatatat attagggcac agcctctctg cagccaaactg gcaggacttt 240

ctcaaggaca gaagaaaactg tgccacttgt atcaggacca catgcagttac atcggagaag 300

Cura 374 CON seq list.txt

gcgcaagac aggcatcaa gaatgccagt atcaattccg acatcgaagg tggaactgca 360
gcactgtgga taacacctct gttttggca gggtgatgca gataggcagc cgcgagacgg 420
ccttcacata cgccgtgagc gcagcagggg tggtaacgc catgagccgg gcgtgccg 480
agggcgagct gtccacactgc ggctgcagcc gcccgcgcg ccccaaggac ctgccgcgg 540
actggctctg gggcggctgc ggcgacaaca tcgactatgg ctaccgctt gccaaggagt 600
tcgtggacgc ccgcgagcgg gagcgcatcc acgccaaggg ctccctacgag agtgcgtcga 660
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tggcctgcaa gtgccatggg gtgtccggct catgtacgcct gaagacatgc tggctgcagc 780
tggcagactt ccgcaaggtg ggtgatgccc tgaaggagaa gtacgacagc gcggcggcca 840
tgcggctcaa cagccgggc aagttggtac aggtcaacag ccgcttcaac tcgcccacca 900
cacaagacct ggtctacatc gaccccagcc ctgactactg cgtgcgaat gagagcaccg 960
gctcgctggg cacgcagggc cgcctgtgca acaagacgac ggagggcatg gatggctgcg 1020
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actgcaagtt ccactgggtgc tgctacgtca agtgcaagaa gtgcacggag atcgtggacc 1140
agtttgttg caagtagtgtt gtgccaccca gcactcagcc ccgccccca gacccgctta 1200
tttatagaaa gtac 1214

<210> 24
<211> 365
<212> PRT
<213> Homo sapiens

<400> 24
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1 5 10 15

Ile Phe Phe Ser Phe Ala Gln Val Val Ile Glu Ala Asn Ser Trp Trp
20 25 30

Ser Leu Gly Met Asn Asn Pro Val Gln Met Ser Glu Val Tyr Ile Ile
35 40 45

Gly Ala Gln Pro Leu Cys Ser Gln Leu Ala Gly Leu Ser Gln Gly Gln

Cura 374 CON seq list.txt

50

55

60

Lys Lys Leu Cys His Leu Tyr Gln Asp His Met Gln Tyr Ile Gly Glu
 65 70 75 80

Gly Ala Lys Thr Gly Ile Lys Glu Cys Gln Tyr Gln Phe Arg His Arg
 85 90 95

Arg Trp Asn Cys Ser Thr Val Asp Asn Thr Ser Val Phe Gly Arg Val
 100 105 110

Met Gln Ile Gly Ser Arg Glu Thr Ala Phe Thr Tyr Ala Val Ser Ala
 115 120 125

Ala Gly Val Val Asn Ala Met Ser Arg Ala Cys Arg Glu Gly Glu Leu
 130 135 140

Ser Thr Cys Gly Cys Ser Arg Ala Ala Arg Pro Lys Asp Leu Pro Arg
 145 150 155 160

Asp Trp Leu Trp Gly Gly Cys Gly Asp Asn Ile Asp Tyr Gly Tyr Arg
 165 170 175

Phe Ala Lys Glu Phe Val Asp Ala Arg Glu Arg Glu Arg Ile His Ala
 180 185 190

Lys Gly Ser Tyr Glu Ser Ala Arg Ile Leu Met Asn Leu His Asn Asn
 195 200 205

Glu Ala Gly Arg Arg Thr Val Tyr Asn Leu Ala Asp Val Ala Cys Lys
 210 215 220

Cys His Gly Val Ser Gly Ser Cys Ser Leu Lys Thr Cys Trp Leu Gln
 225 230 235 240

Leu Ala Asp Phe Arg Lys Val Gly Asp Ala Leu Lys Glu Lys Tyr Asp
 245 250 255

Ser Ala Ala Ala Met Arg Leu Asn Ser Arg Gly Lys Leu Val Gln Val
 260 265 270

Asn Ser Arg Phe Asn Ser Pro Thr Thr Gln Asp Leu Val Tyr Ile Asp
 275 280 285

Pro Ser Pro Asp Tyr Cys Val Arg Asn Glu Ser Thr Gly Ser Leu Gly
 290 295 300

Thr Gln Gly Arg Leu Cys Asn Lys Thr Ser Glu Gly Met Asp Gly Cys
 305 310 315 320

Glu Leu Met Cys Cys Gly Arg Gly Tyr Asp Gln Phe Lys Thr Val Gln

Cura 374 CON seq list.txt

325

330

335

Thr Glu Arg Cys His Cys Lys Phe His Trp Cys Cys Tyr Val Lys Cys
 340 345 350

Lys Lys Cys Thr Glu Ile Val Asp Gln Phe Val Cys Lys
 355 360 365

<210> 25

<211> 4213

<212> DNA

<213> Homo sapiens

<400> 25

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 acagtgcctt gcagcacaga ctttcgggga cgcttcctct cccacgtggt gtctggccca 180
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 agtcacctcc gggtggtcg cagccctctg cacccaggag ggaccctgtg gcctggcagg 300
 gtggggcgcc actccctcta cttcaatgtc actgtttcg ggaaggaact gcacttgcgc 360
 ctgcggccca atcggagggtt ggttagtgcctt ggatcctcag tggagtggca ggaggat 420
 cggagctgt tccggcagcc cttacggcag gagtgtgtgt acactggagg tgtcaactgga 480
 atgcctgggg cagctgttc catcagcaac tgtgacggat tgtgtgcagg ccctgcgggc 540
 ctcatccgca cagacagcac cgacttcttc attgagcctc tggagcgggg ccagcaggag 600
 aaggaggcca gcgggaggac acatgtggtg taccgcgggg aggccgtcca gcaggactt 660
 ggcctggag accttcccaa cctgctggc ctggtggggg accagctggg cgacacagag 720
 cggaaagcggc ggcattgcctt gcaaggag catgtgcaga actatgtcct caccctcatg 780
 gactcggtgg ttgcgttcca tggcaaggag catgtgcaga actatgtcct caccctcatg 840
 aatatcgtga gtgttagatga gatttaccac gatgagtcctt tgggggttca tataaatatt 900
 gcccctgtcc gcttgcgtcat ggttggctac cgacagtcctt tgagcctgtat cgagcgcggg 960
 aaccctcac gcagcctgga gcaggtgtgt cgctggcac actcccagca gcccaggac 1020
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Cura 374 CON seq list.txt

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gaggatggct ttcctcagc cttcgtata gctcatgaga ccggccacgt gctcggcatg 1200
gagcatgacg gtcagggaa tggctgtgca gatgagacca gcctggcag cgtcatggcg 1260
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cagacatatg gccaggatgg aggctggagc tcctggacca agtttgggtc atgttcgcgg 1680
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gatggacac gctgcagcta cggggaccca tacagcgtct gtgcgcgtgg cgagtgtgt 2040
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gccatcctgg ctctcccccc aactgagggt ggcccccgcgc acgcctggc ctacaagtac 2460
gtcatccatg aggacctgct gccccttatac gggagcaaca atgtgctcct ggaggagatg 2520
gacacccatg agtggcgct caagagctgg gccccctgca gcaaggcctg tggaggaggg 2580
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Cura 374 CON seq list.txt

ctgtgtgacc acaagaagag gcccaagccc atccgccggc gctgcaacca gcacccgtgc 2700
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tgctccattc ccggctacca ccggctctgc tgtgtgtcct gcatcaagaa ggctcgggc 3180
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gaggacaaag ggcaacctgg agaagacctg agacatcccg gcaccagcct ccctgctgcc 3540
tccccggta catgagctgt gccctgccc cccactggca cgtttacact ctgtgtactg 3600
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gtgggaggaa gacaaagatc agggaaagcc ctaatcggag atacctcagc aagctgcccc 3780
cgccggact gaccctctca gggccctgt tggtctcccc tgccaagacc agggtaact 3840
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cagccaggcc gagaggaggg gggcctggga atgtggcatg aggcttccca gctgcagggc 4080
tggagggggt ggaacacaag gtgatgcag gcccaactcc tggaaagccaa gagctccatg 4140

Cura 374 CON seq list.txt

cagttccacc agctgaggcc aggcagcaga ggccagttg tcttgctgg ccagaagatg 4200
gtgctcatgg cca 4213

<210> 26
<211> 1210
<212> PRT
<213> Homo sapiens

<220>
<221> VARIANT
<222> (1185)
<223> Wherein Xaa is any amino acid as defined in the specification

<400> 26

Met Ala Pro Leu Arg Ala Leu Leu Ser Tyr Leu Leu Pro Leu His Cys
1 5 10 15

Ala Leu Cys Ala Ala Gly Ser Arg Thr Pro Glu Leu His Leu Ser
20 25 30

Gly Lys Leu Ser Asp Tyr Gly Val Thr Val Pro Cys Ser Thr Asp Phe
35 40 45

Arg Gly Arg Phe Leu Ser His Val Val Ser Gly Pro Ala Ala Ser
50 55 60

Ala Gly Ser Met Val Val Asp Thr Pro Pro Thr Leu Pro Arg His Ser
65 70 75 80

Ser His Leu Arg Val Ala Arg Ser Pro Leu His Pro Gly Gly Thr Leu
85 90 95

Trp Pro Gly Arg Val Gly Arg His Ser Leu Tyr Phe Asn Val Thr Val
100 105 110

Phe Gly Lys Glu Leu His Leu Arg Leu Arg Pro Asn Arg Arg Leu Val
115 120 125

Val Pro Gly Ser Ser Val Glu Trp Gln Glu Asp Phe Arg Glu Leu Phe
130 135 140

Arg Gln Pro Leu Arg Gln Glu Cys Val Tyr Thr Gly Gly Val Thr Gly
145 150 155 160

Met Pro Gly Ala Ala Val Ala Ile Ser Asn Cys Asp Gly Leu Cys Ala
165 170 175

Cura 374 CON seq list.txt

Gly	Pro	Ala	Gly	Leu	Ile	Arg	Thr	Asp	Ser	Thr	Asp	Phe	Phe	Ile	Glu
180								185						190	
Pro	Leu	Glu	Arg	Gly	Gln	Gln	Glu	Lys	Glu	Ala	Ser	Gly	Arg	Thr	His
195							200						205		
Val	Val	Tyr	Arg	Arg	Glu	Ala	Val	Gln	Gln	Asp	Phe	Gly	Leu	Gly	Asp
210							215						220		
Leu	Pro	Asn	Leu	Leu	Gly	Leu	Val	Gly	Asp	Gln	Leu	Gly	Asp	Thr	Glu
225							230			235			240		
Arg	Lys	Arg	Arg	His	Ala	Lys	Pro	Gly	Ser	Tyr	Ser	Ile	Glu	Val	Leu
245							250						255		
Leu	Val	Val	Asp	Asp	Ser	Val	Val	Arg	Phe	His	Gly	Lys	Glu	His	Val
260							265						270		
Gln	Asn	Tyr	Val	Leu	Thr	Leu	Met	Asn	Ile	Val	Ser	Val	Asp	Glu	Ile
275							280						285		
Tyr	His	Asp	Glu	Ser	Leu	Gly	Val	His	Ile	Asn	Ile	Ala	Leu	Val	Arg
290							295						300		
Leu	Ile	Met	Val	Gly	Tyr	Arg	Gln	Ser	Leu	Ser	Leu	Ile	Glu	Arg	Gly
305							310			315			320		
Asn	Pro	Ser	Arg	Ser	Leu	Glu	Gln	Val	Cys	Arg	Trp	Ala	His	Ser	Gln
							325			330			335		
Gln	Arg	Gln	Asp	Pro	Ser	His	Ala	Glu	His	His	Asp	His	Val	Val	Phe
							340			345			350		
Leu	Thr	Arg	Gln	Asp	Phe	Gly	Pro	Ser	Gly	Tyr	Ala	Pro	Val	Thr	Gly
							355			360			365		
Met	Cys	His	Pro	Leu	Arg	Ser	Cys	Ala	Leu	Asn	His	Glu	Asp	Gly	Phe
							370			375			380		
Ser	Ser	Ala	Phe	Val	Ile	Ala	His	Glu	Thr	Gly	His	Val	Leu	Gly	Met
							385			390			395		400
Glu	His	Asp	Gly	Gln	Gly	Asn	Gly	Cys	Ala	Asp	Glu	Thr	Ser	Leu	Gly
							405			410			415		
Ser	Val	Met	Ala	Pro	Leu	Val	Gln	Ala	Ala	Phe	His	Arg	Phe	His	Trp
							420			425			430		
Ser	Arg	Cys	Ser	Lys	Leu	Glu	Leu	Ser	Arg	Tyr	Leu	Pro	Ser	Tyr	Asp
							435			440			445		

Cura 374 CON seq list.txt

Cys	Leu	Leu	Asp	Asp	Pro	Phe	Asp	Pro	Ala	Trp	Pro	Gln	Pro	Pro	Glu
450					455							460			
Leu	Pro	Gly	Ile	Asn	Tyr	Ser	Met	Asp	Glu	Gln	Cys	Arg	Phe	Asp	Phe
465					470				475					480	
Gly	Ser	Gly	Tyr	Gln	Thr	Cys	Leu	Ala	Phe	Arg	Thr	Phe	Glu	Pro	Cys
					485				490					495	
Lys	Gln	Leu	Trp	Cys	Ser	His	Pro	Asp	Asn	Pro	Tyr	Phe	Cys	Lys	Thr
						500		505					510		
Lys	Lys	Gly	Pro	Pro	Leu	Asp	Gly	Thr	Glu	Cys	Ala	Pro	Gly	Lys	Trp
					515		520		525						
Cys	Phe	Lys	Gly	His	Cys	Ile	Trp	Lys	Ser	Pro	Glu	Gln	Thr	Tyr	Gly
						530		535			540				
Gln	Asp	Gly	Gly	Trp	Ser	Ser	Trp	Thr	Lys	Phe	Gly	Ser	Cys	Ser	Arg
545					550				555				560		
Ser	Cys	Gly	Gly	Gly	Val	Arg	Ser	Arg	Ser	Arg	Ser	Cys	Asn	Asn	Pro
					565				570				575		
Ser	Pro	Ala	Tyr	Gly	Gly	Arg	Leu	Cys	Leu	Gly	Pro	Met	Phe	Glu	Tyr
					580			585				590			
Gln	Val	Cys	Asn	Ser	Glu	Glu	Cys	Pro	Gly	Thr	Tyr	Glu	Asp	Phe	Arg
					595		600					605			
Ala	Gln	Gln	Cys	Ala	Lys	Arg	Asn	Ser	Tyr	Tyr	Val	His	Gln	Asn	Ala
					610		615				620				
Lys	His	Ser	Trp	Val	Pro	Tyr	Glu	Pro	Asp	Asp	Asp	Ala	Gln	Lys	Cys
625					630				635				640		
Glu	Leu	Ile	Cys	Gln	Ser	Ala	Asp	Thr	Gly	Asp	Val	Val	Phe	Met	Asn
					645				650				655		
Gln	Val	Val	His	Asp	Gly	Thr	Arg	Cys	Ser	Tyr	Arg	Asp	Pro	Tyr	Ser
						660		665				670			
Val	Cys	Ala	Arg	Gly	Glu	Cys	Val	Pro	Val	Gly	Cys	Asp	Lys	Glu	Val
						675		680				685			
Gly	Ser	Met	Lys	Ala	Asp	Asp	Lys	Cys	Gly	Val	Cys	Gly	Gly	Asp	Asn
					690		695				700				
Ser	His	Cys	Arg	Thr	Val	Lys	Gly	Thr	Leu	Gly	Lys	Ala	Ser	Lys	Gln
					705		710			715			720		

Cura 374 CON seq list.txt

Ala	Gly	Ala	Leu	Lys	Leu	Val	Gln	Ile	Pro	Ala	Gly	Ala	Arg	His	Ile
725										730					735
Gln	Ile	Glu	Ala	Leu	Glu	Lys	Ser	Pro	His	Arg	Ile	Val	Val	Lys	Asn
740							745							750	
Gln	Val	Thr	Gly	Ser	Phe	Ile	Leu	Asn	Pro	Lys	Gly	Lys	Glu	Ala	Thr
755							760						765		
Ser	Arg	Thr	Phe	Thr	Ala	Met	Gly	Leu	Glu	Trp	Glu	Asp	Ala	Val	Glu
770						775						780			
Asp	Ala	Lys	Glu	Ser	Leu	Lys	Thr	Ser	Gly	Pro	Leu	Pro	Glu	Ala	Ile
785					790					795				800	
Ala	Ile	Leu	Ala	Leu	Pro	Pro	Thr	Glu	Gly	Gly	Pro	Arg	Ser	Ser	Leu
805							810						815		
Ala	Tyr	Lys	Tyr	Val	Ile	His	Glu	Asp	Leu	Leu	Pro	Leu	Ile	Gly	Ser
820						825							830		
Asn	Asn	Val	Leu	Leu	Glu	Glu	Met	Asp	Thr	Tyr	Glu	Trp	Ala	Leu	Lys
835					840								845		
Ser	Trp	Ala	Pro	Cys	Ser	Lys	Ala	Cys	Gly	Gly	Ile	Gln	Phe	Thr	
850					855						860				
Lys	Tyr	Gly	Cys	Arg	Arg	Arg	Arg	Asp	His	His	Met	Val	Gln	Arg	His
865					870						875			880	
Leu	Cys	Asp	His	Lys	Lys	Arg	Pro	Lys	Pro	Ile	Arg	Arg	Cys	Asn	
885						890							895		
Gln	His	Pro	Cys	Ser	Gln	Pro	Val	Trp	Val	Thr	Glu	Glu	Trp	Gly	Ala
900						905							910		
Cys	Ser	Arg	Ser	Cys	Gly	Lys	Leu	Gly	Val	Gln	Thr	Arg	Gly	Ile	Gln
915					920								925		
Cys	Leu	Leu	Pro	Leu	Ser	Asn	Gly	Thr	His	Lys	Val	Met	Pro	Ala	Lys
930					935						940				
Ala	Cys	Ala	Gly	Asp	Arg	Pro	Glu	Ala	Arg	Arg	Pro	Cys	Leu	Arg	Val
945				950					955					960	
Pro	Cys	Pro	Ala	Gln	Trp	Arg	Leu	Gly	Ala	Trp	Ser	Gln	Cys	Ser	Ala
965						970							975		
Thr	Cys	Gly	Glu	Gly	Ile	Gln	Gln	Arg	Gln	Val	Val	Cys	Arg	Thr	Asn
980						985							990		

Cura 374 CON seq list.txt

Ala Asn Ser Leu Gly His Cys Glu Gly Asp Arg Pro Asp Thr Val Gln
995 1000 1005

Val Cys Ser Leu Pro Ala Cys Asn Lys Ile Ser Ser Thr Glu Pro Cys
1010 1015 1020

Thr Gly Asp Arg Ser Val Phe Cys Gln Met Glu Val Leu Asp Arg Tyr
1025 1030 1035 1040

Cys Ser Ile Pro Gly Tyr His Arg Leu Cys Cys Val Ser Cys Ile Lys
1045 1050 1055

Lys Ala Ser Gly Pro Asn Pro Gly Pro Asp Pro Gly Pro Thr Ser Leu
1060 1065 1070

Pro Pro Phe Ser Thr Pro Gly Ser Pro Leu Pro Gly Pro Gln Asp Pro
1075 1080 1085

Ala Asp Ala Ala Glu Pro Pro Gly Lys Pro Thr Gly Ser Glu Asp His
1090 1095 1100

Gln His Gly Arg Ala Thr Gln Leu Pro Gly Ala Leu Asp Thr Ser Ser
1105 1110 1115 1120

Pro Gly Thr Gln His Pro Phe Ala Pro Glu Thr Pro Ile Pro Gly Ala
1125 1130 1135

Ser Trp Ser Ile Ser Pro Thr Thr Pro Gly Gly Leu Pro Trp Gly Trp
1140 1145 1150

Thr Gln Thr Pro Thr Pro Val Pro Glu Asp Lys Gly Gln Pro Gly Glu
1155 1160 1165

Asp Leu Arg His Pro Gly Thr Ser Leu Pro Ala Ala Ser Pro Val Thr
1170 1175 1180

Xaa Ala Val Pro Cys His Pro Thr Gly Thr Phe Thr Leu Cys Val Leu
1185 1190 1195 1200

Pro Arg Asp Ser Gln Leu Arg Gly His Thr
1205 1210

<210> 27

<211> 1390

<212> DNA

<213> Homo sapiens

<400> 27

cttgagtgcc caaggcaaga tgggtcaaag tcaaagtgggt ggtcatggtc ttggagctgg 60

Cura 374 CON seq list.txt

aaagaaggat gatagggaca agaaaaagaa atatgaacct cctataccag ctagagttag 120
gaagaagaag aaaacaaagg gaccagatgc tgccagcaaa ctgccactga tgacacctca 180
caactctgtgc cagttaaaat tattgaaatt agagataatt aaatactgtc ttctcatgaa 240
ggaagaattc attagaaatc aggaacaaat gaaactatta gaaggaaagc aagaggagga 300
aagatcaaaa gtggatgatc tgagggggac cccatgtca gtagtaacct tggaaagat 360
tattgatgac aatcatgcca tcattgtcac atctgtggc tcagagcatc tgtggctca 420
gagcattctt gtagacaagg atctgctgga acctggctgc tcggcctgc tcaaccacaa 480
ggttcgctgt gtgatatggg tgctgatgga tgacacggat accctagtca caatgatgaa 540
ggtgaaaag accccccagg agacctgtgt tgatactggg gggttggaca gccaaattca 600
ggaaattaag gaatttgtgg agcttcctct cacacattct gaatattatg aagagatggg 660
tataaagccc cctaagggag tcattcacta tggccacct ggcacaggta aaaccttgtt 720
agccaaagca gtagcaaacc acatcttagc cactttcttg caagtgtca gctctgaatt 780
tattcagaaa tacctacatg atgggcccaa actcatatgg gaattgttc tagtgctga 840
agaacatgca cttccatca tgtttattga tgaaattgat gctatttagga caaaaagatg 900
tgactcaa atctgatagt agagagaaat tcagcaaata atgctggaaa tggtaacca 960
gttggatgga ttgttattca gggagatgt gaaagttatc atatccacaa gccgaataga 1020
aactttggat ctagcactta tcagaccagg ctacactgac aggaagctca agttccccct 1080
gcctgatgaa aagactaaga agcacatctt tcagatgcac acaagcagga ttacgctggc 1140
caatgataca atcctggaca actccatcat ggctaaagat gacctctctt gtacagaccc 1200
caaggcaatc tgcacagaag ctagtctgat ggcttaaaa gaacatggaa tgaaagtaac 1260
aaatgaaaac ttcaaaaaat ctcaagaaaa ttttttat aaagaacagg aagacacccc 1320
caaggggctc tgtctcgaa gcaagagaaa gaaggggaaag gggccagact catttaaca 1380
accagatatt 1390

<210> 28

<211> 452

<212> PRT

Cura 374 CON seq list.txt

<213> Homo sapiens

<400>	28														
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1				5					10						15
Asp	Asp	Arg	Asp	Lys	Lys	Lys	Tyr	Glu	Pro	Pro	Ile	Pro	Ala	Arg	
				20				25						30	
Val	Arg	Lys	Lys	Lys	Lys	Thr	Lys	Gly	Pro	Asp	Ala	Ala	Ser	Lys	Leu
				35				40						45	
Pro	Leu	Met	Thr	Pro	His	Thr	Leu	Cys	Gln	Leu	Lys	Leu	Leu	Lys	Leu
				50				55						60	
Glu	Ile	Ile	Lys	Tyr	Cys	Leu	Leu	Met	Lys	Glu	Glu	Phe	Ile	Arg	Asn
					65			70				75			80
Gln	Glu	Gln	Met	Lys	Leu	Leu	Glu	Gly	Lys	Gln	Glu	Glu	Glu	Arg	Ser
					85				90					95	
Lys	Val	Asp	Asp	Leu	Arg	Gly	Thr	Pro	Met	Ser	Val	Val	Thr	Leu	Glu
					100				105					110	
Glu	Ile	Ile	Asp	Asp	Asn	His	Ala	Ile	Met	Ser	Thr	Ser	Val	Gly	Ser
					115			120						125	
Glu	His	Leu	Trp	Ala	Gln	Ser	Ile	Leu	Val	Asp	Lys	Asp	Leu	Leu	Glu
					130			135						140	
Pro	Gly	Cys	Ser	Val	Leu	Leu	Asn	His	Lys	Val	Arg	Ala	Val	Ile	Trp
					145			150			155				160
Val	Leu	Met	Asp	Asp	Thr	Asp	Thr	Leu	Val	Thr	Met	Met	Lys	Val	Glu
					165				170					175	
Lys	Thr	Pro	Gln	Glu	Thr	Cys	Val	Asp	Thr	Gly	Gly	Leu	Asp	Ser	Gln
					180			185						190	
Ile	Gln	Glu	Ile	Lys	Glu	Phe	Val	Glu	Leu	Pro	Leu	Thr	His	Ser	Glu
					195			200						205	
Tyr	Tyr	Glu	Glu	Met	Gly	Ile	Lys	Pro	Pro	Lys	Gly	Val	Ile	His	Tyr
					210			215						220	
Gly	Pro	Pro	Gly	Thr	Gly	Lys	Thr	Leu	Leu	Ala	Lys	Ala	Val	Ala	Asn
					225			230			235				240
His	Ile	Leu	Ala	Thr	Phe	Leu	Gln	Val	Ile	Ser	Ser	Glu	Phe	Ile	Gln
					245				250					255	

Cura 374 CON seq list.txt

Lys Tyr Leu His Asp Gly Pro Lys Leu Ile Trp Glu Leu Phe Leu Val
260 265 270

Ala Glu Glu His Ala Pro Ser Ile Met Phe Ile Asp Glu Ile Asp Ala
275 280 285

Ile Arg Thr Lys Arg Cys Asp Ser Asn Ser Asp Ser Glu Arg Glu Ile
290 295 300

Gln Gln Ile Met Leu Glu Met Leu Asn Gln Leu Asp Gly Phe Asp Ser
305 310 315 320

Arg Gly Asp Val Lys Val Ile Ile Ser Thr Ser Arg Ile Glu Thr Leu
325 330 335

Asp Leu Ala Leu Ile Arg Pro Gly Tyr Thr Asp Arg Lys Leu Lys Phe
340 345 350

Pro Leu Pro Asp Glu Lys Thr Lys Lys His Ile Phe Gln Met His Thr
355 360 365

Ser Arg Ile Thr Leu Ala Asn Asp Thr Ile Leu Asp Asn Ser Ile Met
370 375 380

Ala Lys Asp Asp Leu Ser Cys Thr Asp Leu Lys Ala Ile Cys Thr Glu
385 390 395 400

Ala Ser Leu Met Ala Leu Lys Glu His Gly Met Lys Val Thr Asn Glu
405 410 415

Asn Phe Lys Lys Ser Gln Glu Asn Val Leu Tyr Lys Glu Gln Glu Asp
420 425 430

Thr Pro Lys Gly Leu Cys Leu Gly Ser Lys Arg Lys Lys Gly Lys Gly
435 440 445

Pro Asp Ser Phe
450

<210> 29
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Oligonucleotide
primers

<400> 29
ctgcacttca aggacagtta cc

Cura 374 CON seq list.txt

<210> 30

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Oligonucleotide
primers

<400> 30

ctatccatcc acgatgtgcc cagct

25

<210> 31

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Oligonucleotide
primers

<400> 31

tgacaaggag cttactcttc ca

22

<210> 32

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Oligonucleotide
primers

<400> 32

ccgttcaactc ttgcaaagg

19

<210> 33

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

Cura 374 CON seq list.txt

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 33

tccaaaggat tcacaactac ttacacca

28

<210> 34

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 34

ggcacagttg ctataatttt gg

22

<210> 35

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 35

ctcctggact ccctctatgg

20

<210> 36

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 36

ctctcggtgg tgcagctcaa tccttt

26

<210> 37

Cura 374 CON seq list.txt

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 37
gggccttac caactctgaa 20

<210> 38
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 38
gacctcagat gtcctagcca at 22

<210> 39
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 39
cacctacctg aaaggagagc tgcctg 26

<210> 40
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 40

Cura 374 CON seq list.txt

ccagggaaaca ctcactcaca tt

22

<210> 41
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 41
ccagaggatc cagatgtaca tg

22

<210> 42
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 42
tcctgtctct catcctctac atcttcacca

30

<210> 43
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 43
gggctccaga gaagatgtct ac

22

<210> 44
<211> 22
<212> DNA
<213> Artificial Sequence

Cura 374 CON seq list.txt

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 44
ccagaggatc cagatgtaca tg

22

<210> 45
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 45
tcctctacat cttcaccaag atctcg

27

<210> 46
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 46
agggctccag agaagatgtc ta

22

<210> 47
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 47
ctggtcaggt acctggatgt ta

22

Cura 374 CON seq list.txt

<210> 48

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 48

tccatcaatg aagagcttca tattcg

26

<210> 49

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 49

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<210> 50

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 50

ttgaagaagg cagaaacaca a

21

<210> 51

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligonucleotide primers

Cura 374 CON seq list.txt

<400> 51
ccgccttcaa gagaaacaaa cgaaag 26

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 52
cgcagctcac agtcattat 20

<210> 53
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 53
caatatgcct gtgtatgcct tt 22

<210> 54
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 54
aaaagattgt tccacacctgaa acacct 26

<210> 55
<211> 22
<212> DNA
<213> Artificial Sequence

Cura 374 CON seq list.txt

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 55
tccagtaaag gccaaatagtc aa

22

<210> 56
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 56
acagcagtac caacagaagg cc

22

<210> 57
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 57
tcccacacctcc gcagccatca ca

22

<210> 58
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide
primers

<400> 58
atattgacat gcttcagatg cagg

24

Cura 374 CON seq list.txt

<210> 59
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 59
ccaagttctt ccttagtggt tt 22

<210> 60
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 60
tttctccatc gcccaggatg taattt 26

<210> 61
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Oligonucleotide primers

<400> 61
ataccttagcg accaccaaga at 22

<210> 62
<211> 4
<212> PRT
<213> Homo sapiens

<400> 62
Asn Glu Gln Lys
1

Cura 374 CON seq list.txt

<210> 63
<211> 4
<212> PRT
<213> Homo sapiens

<400> 63
Asn His Gln Lys
1

<210> 64
<211> 4
<212> PRT
<213> Homo sapiens

<400> 64
Asn Asp Glu Gln
1

<210> 65
<211> 4
<212> PRT
<213> Homo sapiens

<400> 65
Gln His Arg Lys
1

<210> 66
<211> 4
<212> PRT
<213> Homo sapiens

<400> 66
Met Ile Leu Val
1

<210> 67
<211> 4
<212> PRT
<213> Homo sapiens

<400> 67
Met Ile Leu Phe
1

<210> 68
<211> 4
<212> PRT
<213> Homo sapiens

Cura 374 CON seq list.txt

<400> 68
Ser Thr Asn Lys
1

<210> 69
<211> 4
<212> PRT
<213> Homo sapiens

<400> 69
Ser Thr Pro Ala
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<210> 70
<211> 4
<212> PRT
<213> Homo sapiens

<400> 70
SGND
Ser Gly Asn Asp
1

<210> 71
<211> 6
<212> PRT
<213> Homo sapiens

<400> 71
Ser Asn Asp Glu Gln Lys
1 5

<210> 72
<211> 6
<212> PRT
<213> Homo sapiens

<400> 72
Asn Asp Glu Gln His Lys
1 5

<210> 73
<211> 6
<212> PRT
<213> Homo sapiens

<400> 73
Asn Glu Gln His Arg Lys
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VLIM

Val Leu Ile Met

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